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Hardy

Perennial Plants

1931

1931

Fritz Bahr
Tells Florists How
to Use Perennials
on Page 42

1931

Joseph F. Martin
Perennial Nurseries
Painesville, Ohio

Wholesale Trade List



FOLLOWING up the summer season with your plantings of outdoor cut flowers, you can end the season with a nice supply of Hardy Chrysanthemums. The flowers shown in this basket, we have cut at random from our nice list of varieties growing here in our nurseries. By having a planting of Hardy Chrysanthemums, you are able to continue cutting outdoors up to the middle of November. Our varieties are all selected as to their hardiness and also quality of flowers. A good many of the varieties are every bit as beautiful as those grown under glass. You can obtain wonderful results by using them in either vase or basket work without any other flowers whatever for the makeup. We are satisfied that there is nothing that can be had in late fall that will give you better returns for your investment than a nice selection of Hardy Chrysanthemums. Please note our low prices for field grown clumps on Pages 15 and 16.

Time to Prepare

IF you are a purchaser of Perennials, for whatever purpose, the time is now here to start planning as to what and how many of the various plants your trade will require throughout the entire Spring season.

IF YOU ARE A SEEDSMAN, you need Perennials to pep up your business when planting season opens. Your customers will be glad that you have given them the opportunity to buy their Hardy Plants while they are buying their garden and flower seeds. It will enable you to ring up many additional sales.

IF YOU ARE A LANDSCAPE MAN, it is now time to get lined up with your clients on their Spring plantings. Good many of the Perennial beds will need renewing and possibly you will have a few new beds to make with other varieties of Perennials. In this book you will find all of the good worthwhile Perennials offered, guaranteed as represented. You will be proud of the quality of the plants you will supply to your customers.

IF YOU ARE A FLORIST, you will need Perennials to provide profits throughout the dull summer months. Practically every Florist grower has a plot of ground adjoining his greenhouses. This space can be made to pay by planting such Perennials as **Aquilegias, Artemesia, Hardy Asters, Hardy Chrysanthemums, Hardy Carnations, Campanulas, Daisies, Delphiniums Gaillardias, Hardy Gypsophila, Liatris, Regal Lilies, Physostegia, Pyrethrum, Rudbeckia, Statice** and many other good Perennials which are suitable for cut flower purposes. Your assortment of plants can be arranged so that you can start cutting flowers from the early summer months until late Fall. This period will cover the dull seasons while greenhouse flowers are scarce. You will find that you can make up all kinds of floral pieces every bit as beautiful as those you make from greenhouse material. In addition you are giving your customers something different.

IF YOU ARE A NURSERYMAN, it is time to check over your plants available and have your list as near complete as possible. We find that a large percentage of the nurserymen do not grow Perennials. For this speciality they look to the Perennial nurseries for their requirements. We ask that you kindly check this book over carefully. We are sure you will find we are listing all the worthwhile Perennials and if there is anything in this line that you will need, we ask for an opportunity only to prove to you the quality of the plants we produce.

Our plants are first class in every respect and they are of a size which will please your customers. Your orders are always welcome and at all times they receive personal attention. Due to the patronage we have received from the trade in general, our business has enjoyed a good healthy growth and we trust that your faith in our ability to handle your business in first class manner will continue.

Sincerely Yours,

Joseph F. Martin

PRICE LIST . . .

We grow everything we sell .
That's your guarantee and your
protection. . . .

ACHILLEA Milfoil or Yarrow

ACHILLEAS are of easy culture and grow in any good garden soil, preferring sunny locations. They are useful for the border, wild garden or shrubbery. For cutting there are many outstanding flowers among the Achilleas for summer floral pieces.



Achillea, Perry's White

WE ARE convinced that the direct cause of many failures in growing plants has been the disregard of the natural tendencies and requirements of the plants being used. Some plants thrive in dry sandy soils, some in moist sandy loam, some in rocky situations, while others want very rich damp soil.

In their native haunts some grow in dense shade, others like the diffused light of scattered forest or mountain side while still others want the broad sunlight. To disregard their preferences and natural habitats is to fail miserably in their cultivation. We are confident that the plants we supply will in every instance give satisfactory results if care and good judgment are used in their planting and cultivation.

Plants should be unpacked immediately upon arrival and if you cannot plant them immediately they should be heeled in and given enough moisture to keep the roots fresh and plump.

In planting them, be sure to spread the roots and sift the soil carefully over them. Water them often and keep the soil stirred around them. No manure or fertilizer should touch the roots. Remember plants are living things and will respond to good treatment by giving you large flowers and healthy foliage.

	Per 10	Per 100
ARGENTUM. A pretty alpine of compact habit. Yellow sweet scented. Blooms in June. Suitable for low borders or rock gardens.	1.00	7.00
BOULE DE NEIGE. (Ball of Snow) An improvement on the Pearl. Wonderful for cut flowers or garden. Blooms in June. A good filler, grows 12-15" high, double white flowers in umbels.	1.00	7.00
FILIPENDULINA. This fine plant from the shores of the Caspian Sea grows 2 to 3 feet high, flowers bright yellow, in flat heads, and with lace-like foliage. June to September. Nice to plant among shrubbery, evergreens, or for back border, also a good flower for basket work	1.00	7.00
KELWAYI. Carmine Red, flowers shaped like Millefolium Roseum.	1.00	7.00
MILLEFOLIUM ROSEUM. (Rosy Milefoil) Finely cut deep green foliage, pink flowers in dense heads and found all summer. Suitable for general use. 12 inches.	1.00	7.00
MONT BLANC. A variety in every manner and form the same as The Pearl but size of bloom larger. Better and stronger stems. Darker green foliage.	1.00	7.00
PERRY'S WHITE. 1 to 2 feet. June to August. A choice variety. Nothing better for cutting. An excellent filler. The whitest of all Achilleas, and an outstanding favorite with florists for summer flowers.	1.00	7.00

Achillea Perry's White should be included in all Florist's Plantings it is a Wonderful Filler

ACHILLEAS (Cont'd)

THE PEARL. Pure white flowers born in the greatest profusion the entire summer on strong erect stems, 2 feet high. As a summer cut flower it is of great value. An excellent variety for use in sprays.

Per 10 Per 100

1.00 7.00

TOMENTOSA. A very charming yellow flowered plant, blooming in June. It will do in the rockery or in any part of the border. While it grows naturally on dry rocky soil, it has done finely on lower and more moist levels. Six to eight inches.

1.50 10.00

ACONITUM

Monkshood or Helmet Flower

ACONITES form bush clumps, and are invaluable for planting under trees or in shady or semi-shady positions. They adapt themselves, however, to bright sunny

locations. The flowers vary somewhat in height and color, but the hood shaped blooms arranged in spikes are very attractive.

Per 10 Per 100

BICOLOR. A very pretty white and blue Aconitum. Hardy and very attractive. Recommended. 6 or 7 feet in good year.

2.00 15.00

AUTUMNALE. A very striking form on account of its dark navy blue flowers. 4 to 5 feet. A fine basket flower.

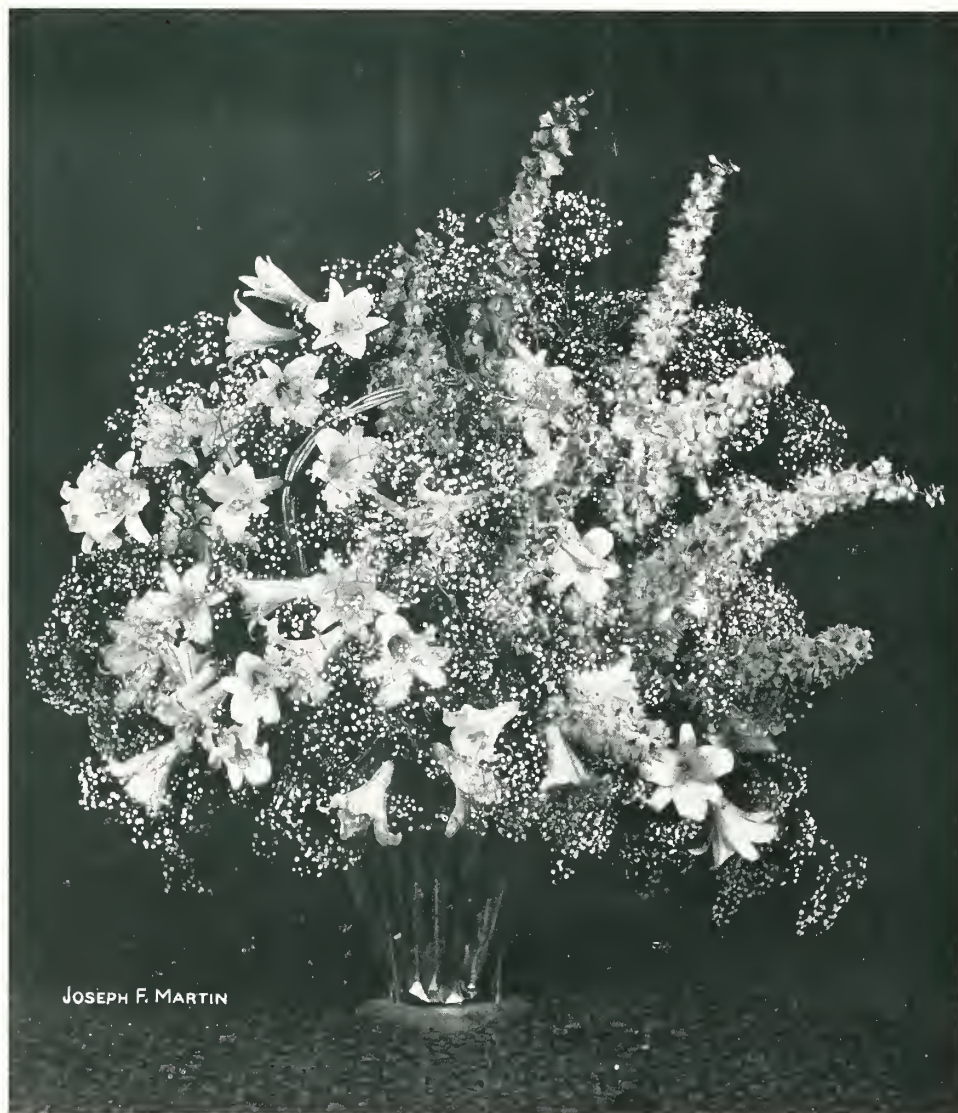
1.50 10.00

FISCHERI. A dwarf variety growing 30 inches high, with very large pale blue flowers in September and October. Decorative foliage even when not in flower. A very attractive plant in Perennial garden.

1.50 10.00

UNCENATUM. A climbing variety well branched. Light blue flowers in July. 6-7 feet.

1.00 7.00



JOSEPH F. MARTIN

The Regal Lilies used in this basket are flowers produced from small seedlings grown two years. Delphiniums are the Blackmore & Langdon type cut from 1-year plants. The Gypsophila is Bristol Fairy variety cut from 2-inch pot plants six weeks after planting outdoors.

IN choosing plants for outdoor cut flowers, Aconitum Fischeri, stands out among the fall varieties like a rainbow after a storm. It supplies a need that no other flower can do. Its size is ideal; its color is attractive and its use for vases, baskets and made-up floral pieces is unique. Three stalks make a large bouquet. The blue of its flowers are bright enough to be attractive and harmonize well with other flowers. It blooms at a time of year when there are not many flowers in bloom. Plant some this year and you will lengthen the row next year.

ACONITUM (Cont'd)

	Per 10	Per 100
SPARK'S VARIETY. July and August flowering, tall branched spikes covered with deep blue, Monkshood flowers, 6 to 7 feet.	1.50	10.00
WILSONI. The true variety which we are here-with offering is the late Autumn flowering kind, producing 6 to 7 tall spikes covered with beautiful mauve colored flowers. One of the best.	2.00	15.00
VOLUBILE. A very tall slender growing, semi climbing variety, with dark blue flowers, July.	1.00	7.00

ACORUS

Sweet Flag

CALAMUS. Desirable for waterside plantings.	1.00	7.00
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AETHIONEMA

PERSICUM. Strong twiggy bushes, covered with long slender spikes of rosy pink flowers. One of our best rock plants. Fine ground cover.	1.50	10.00
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AGROSTEMMA

Rose Champion

CORONARIA ATROSANGUINEA. Deep blood red rose Champion. Stout erect growing, silvery foliage, which contrasts well with the pretty flowers, which come during June and July.	1.00	7.00
WALKERII. Brilliant Rose Crimson, excellent for cutting, 2 1-2 to 3 feet. June and July.	1.00	7.00
FLOS JOVIS. Carmine Rose.	1.00	7.00

AJUGA

REPTANS RUHRA. Grows 3 to 4 inches high, with deep purplish blue flowers.	1.50	10.00
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ALYSSUM

Rock Madwort

VERY popular early flowering Perennials of easy culture, and all very free flowering. They all like a well drained soil and sunny position. Useful in the border as well as in the dry wall or rock garden.

	Per 10	Per 100
ARGENTEUM. Dense growth. Leaves silvery beneath, flowers yellow in clustered heads, all summer. About 15 inches.	1.00	7.00
ROSTRATUM Prostrate almost shrubby variety, hoary grey all over. Flowers pale yellow, in un-branched heads, May to July.	1.00	7.00
SAXATILE COMPACTUM. Dwarf Golden Tuft, Basket of Gold. More compact than the preceding and earlier. One of the showiest of Spring flowers. Height 9 to 12 inches. April and May.	1.00	7.00
CITRINUM. Similar to Saxatile, but flowers are pale Citron Yellow.	1.00	7.00
SERPILLIFOLIUM. Very dwarf 4 to 5 inches high, with racemes of pale yellow flowers, and rough hoary leaves. Charming for the rock garden.	1.50	10.00

IF YOU ARE A SEEDSMAN

We have a drop-shipment service for you that is fully explained on Page 38 of this catalog. Wherever bedding plants are sold, perennial plants can be sold profitably.



Anemone Sylvestris

AMSONIA

	Per 10	Per 100
TABERNAEMONTANA. 2 to 3 feet. Late May and early June. Small and numerous flowers of light blue in panicles. Smooth foliage, fine for the hardy border, or plants among shrubbery.	1.50	10.00

ANTHEMIS

KELWAYII. (Hardy Marguerite) Two feet Daisy like yellow blossoms, produced all summer. Excellent for cutting.	1.50	10.00
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ANCHUSA

ITALICA DROPMORE. An interesting border plant three to four feet high, with pretty gentian blue flowers, in June. A favorite with all who see it.	1.00	7.00
MYOSOTIDIFLORA. A distinct dwarf Perennial variety, from Russia, with clusters of charming blue flowers, resembling Forget-me-nots. An effective rock plant for shady places. 1 foot.	1.50	10.00
OPAL. Very beautiful, variety with large pale blue flowers, 3 to 4 feet high. We have maintained our propagation from original plants. Our stock is true to type.	1.50	10.00

ANEMONE

GENTE BLANCHE. Large double silvery white.	1.50	10.00
LOUISE UHINK. Early double, white.	1.50	10.00
MOUNT ROSE. Fine free flowering double pink.	1.50	10.00
VITIFOLIA. HUMPHRENSIS. Early single pink flowers, in profusion.	1.50	10.00
SYLVESTRIS. This is one of the best in moist sandy soils. Bears good sized delicate white flowers on long stems. Late May.	1.50	10.00

ANTHERICUM

LILASTRUM VARIEGATUM. Fine variegated grass, grows 18"	1.50	10.00
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Anchusa Myosotidiflora with flowers like forget-me-nots, are unequalled for Rock Garden or Border

AQUILEGIA OR COLUMBINE

THE COLUMBINE is one of the most beautiful of all hardy plants and make themselves at home in any hardy border. Their period of flowering covers the late spring and early summer months. Taken as a whole, they are the most important part of the hardy garden and should be grown in quantity by every lover of old-fashioned garden flowers. The following varieties are all suitable for cutting and are attractive when used with other flowers.

	Per 10	Per 100
ALPINA. Grows about a foot high, having dark blue flowers.	1.00	7.00
ALPINA SUPERBA. Deep blue and white. Both these Alpine varieties are very hardy and strong, and will stand up under conditions that would kill the long spurred sorts.	1.50	10.00
BEE'S HYBRIDS. Beautiful mixture of colors, large flowers.	1.50	10.00
CANADENSIS. (American Wild Columbine; Honey-suckle) It flowers early, next after the oxyssepala, and few of our wild flowers are better suited to the rock garden than this. Flowers an inch or more long, red and yellow are borne in abundance. Very graceful and attractive plant. It seems to do well in any garden soil both in sun and shade. Eighteen to twenty-four inches.	1.00	7.00

CHRYSANTHIA (Golden Columbine) Very slender, dainty, long-spurred Columbine of a golden yellow color, blooming later than the long-spurred hybrids. Late June and July, and attains a height of 2 1-2 to 3 feet. While we do not guarantee the color, a large percentage comes true to form.

1.00 7.00

DOBBIE'S IMPERIAL HYBRIDS. A very fine assortment by a European hybridizer which will be sure to charm you by its beauty.

1.50 10.00

GLANDULOSA MAJOR. Black-violet with white corolla, 36 inches.

1.00 7.00

JAESCHKEAN. Yellow and red types.

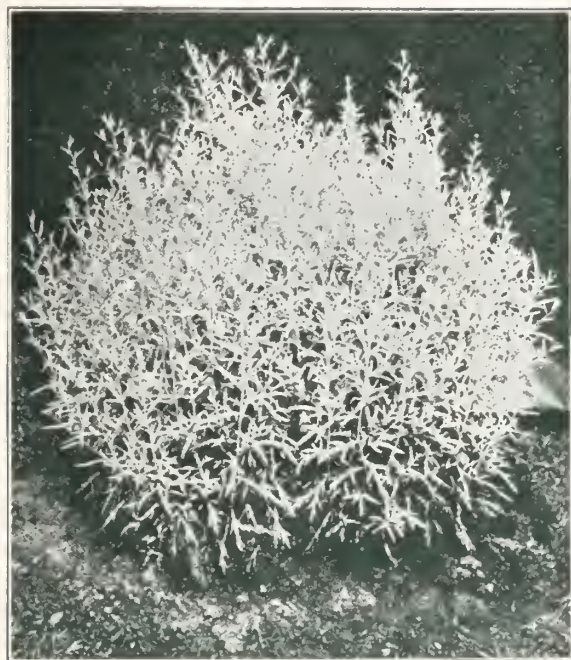
1.00 7.00

MARTIN'S SUPERB PINK. This strain of Pink Aquilegia without a doubt, is the finest pink strain in cultivation. The plants grow to a uniform height. The flowers are of the most delicate shades of pink mostly of the silvery tints. Ten years ago we purchased in this country what was known as the best pink Aquilegia. Growing this strain all these years we have continually worked with it. By roguing out what in our opinion was not up to our ideal of excellence, we feel that at this time we have this strain developed to a very high standard. We have every reason to believe it will be one of the most admired plants in your planting.

1.50 10.00



Martin's Superb Pink Aquilegia—please note the abundance of flowers on these healthy plants grown two years from seed.



Artemesia Silver King

AQUILEGIA (Cont'd)

	Per 10	Per 100
MRS. SCOTT ELLIOTT HYBRIDS. There is not a better mixture grown in the world. Wonderful colors with very long-spurred flowers. Our stock is from seed from this choice breeder, absolutely true strain.	1.50	10.00
NIVEA GRANDIFLORA. Large, pure white.	1.00	7.00
LONG-SPURRED HYBRIDS. We offer an unusually choice strain of these lovely hybrids, ranging in color tones from creamy white and yellow to bronze-red and blue shades. No two plants resemble each other in color, and the combination of shades found in this selection defies description.	1.00	7.00
ROSE QUEEN. Deep pink.	1.25	8.00

ARABIS**White Rockcress**

ALPINA. 6 to 8 in. Pure white flowers, densely cover this plant in April and May. Wherever you see a Rock Garden, you will always find this perennial.	1.25	8.00
ALPINA FL. PL. Double white Rock Cress, April-June, 8 inch. Very fine rock plant.	2.00	15.00
ALPINUS NANA COMPACTA. Dwarf, very pretty, white.	1.25	8.00

ARENARIA

GRANDIFLORA. Large pure white flowers in Spring, beautiful rock plant.	1.25	8.00
MONTANA. (Sandwort.) Very desirable evergreen trailing plant, forming a dense carpet of foliage and covered with large white flowers in spring. Excellent for the rockery.	1.25	8.00
VERNA. A prostrate growing plant creeping over the ground. Fine plant for the rock garden and between stones.	1.25	8.00
VERNA CAESPITOSA. Like green moss, will grow between stepping stones. Excellent for rock garden, covered with little white flowers in early spring.	1.50	10.00

Arabis Alpina is one of the first perennials to bloom in the spring. Its silvery green foliage and star-like flowers make it ideal for the low border or between the rocks.

ARMERIA**Sea Pink or Thrift**

	Per 10	Per 100
The following varieties are used extensively in rock garden plantings.		
FORMOSA. 12 inches. Light pink.	1.00	7.00
FORMOSA ALBA. White, 12 inches.	1.00	7.00
LAUCHEANA. Deep pink, 4 to 6 inches.	1.50	10.00
MARITIMA. Low-growing, with pale pink or rose flowers, 4 to 6 inches.	1.00	7.00
PLANTAGINEA (Sea Pink). Taller than either of the preceding. Flowers on long, naked stems, pale pink or nearly white, of easy culture and a good garden plant.	1.00	7.00

ARTEMESIA

LACTIFLORA. An excellent hardy border plant, producing large, branching panicles of sweetly-scented, creamy white flowers excellent for cutting. Three to four feet, August-September. A perennial you should have on hand for bouquets.	1.00	7.00
SILVER KING. Unquestionably one of the best all-around decorative plants. Its bright silver-colored stems and foliage are of great value as a filler for bouquets, sprays, baskets, or all sorts of floral combinations. By cutting and drying the stems it is very valuable in the winter for filler. Florists in our districts paid high prices for their supplies last winter. It is a showy plant in the perennial border or among shrubbery. Height 30 inches. We supply large field grown clumps and established pot plants. When used in basket work with colored roses the effect is a feast for the eyes.	1.50	10.00
PURSHIANA. Stems and leaves white-wooly, very decorative. Flowers white.	1.50	10.00
STELLERIANA (Old Woman.) Deeply-cut silvery white foliage; much used in carpet bedding, 18 inches.	1.50	10.00

ASCLEPIAS**Butterfly Weed**

PURPUREA. A native plant with showy purple flowers in August and September. Suitable for moist places. Height 30 inches.	1.00	7.00
TUBEROSA. Very showy native plants, about 2 1-2 feet high, producing flowers of brilliant orange-scarlet during July and August. Nice for cutting.	1.00	7.00

ARTEMESIA, SILVER KING*A Plant of Rare Beauty and Charm
for Landscaping or Cutting*

FOR landscape effect from early summer until late winter, Artemesia Silver King is a most outstanding plant.

For the cut flower trade the foliage of Artemesia Silver King is one of the greatest values as a filler for sprays or designs. It matures early in the summer and quickly hardens to a state when it can be cut and used without moisture. The foliage does not wilt or shatter after hardening off and can be carried dry indefinitely without losing its color.

Observing all kinds of floral pieces, it has come to our attention that Artemesia Silver King is being used in the dry state throughout the winter months almost like Maiden-hair Ferns. In fact thousands of floral pieces are made up, using this item alone as a filler with most any main flower.

It thrives in ordinary soil, growing to a height of about three feet in almost perfect symmetrical form. The stems are well branched and thickly covered with bright silver colored foliage, but these quickly divide into a delicate lacy shape with the appearance of small flower buds all over the branches.



THIS basket was made up last September, using entirely late summer flowers. It is safe to say, every flower featured in the basket is ideal for the purpose. The assortment is made up of Hardy Asters, Liatris and Tritomas. In the past, we have featured baskets of this same material, showing them with plain photographs. This year, we are showing the basket herewith in color. Needless to say, a basket made up with this class of material is as beautiful as any that can be made, regardless of what flowers you may use. After photographing this basket, the flowers remained exactly as shown for over a week. This demonstrates the lasting qualities of Perennials when used for cut flowers or floral decorations.

HARDY ASTERS *Michaelmas Daisies*

THESE are among the showiest of our late flowering hardy plants giving a wealthy bloom during September and October. Very showy in garden plantings. Also used extensively for decorative purposes. The following assortments are the choice of a long list of varieties. We are confident you will be pleased with the generous plants we will ship you. In late years these flowers have become very popular with florists for basket and decorative work. The showy colors and the variety of shapes represented among Aster varieties help florists to obtain a great variety of effects with them in floral pieces.

Late Summer Blooming Asters

	Per 10	Per 100
ABENDROTHER. 2 1-2 feet. Very effective rosy red flowers.	1.00	7.00
ANTA BALLARD. Double flowers of a clear petunia violet.	1.00	7.00
BEAUTY OF COLWALL. Double lavender blue flowers, very freely produced on stout erect stems, about 5 feet high.	1.00	7.00
CLIMAX. One of the best and showiest, with large pyramidal spikes of large light lavender-blue flowers. Very free. 5 feet.	1.00	7.00
CLIMAX WHITE. Large pure white.	1.00	7.00
DELICATE. The delicate lilac rose.	1.00	7.00
ELTA. Double flowers of pale lilac with a touch of rose. Very handsome shade.	1.00	7.00
EMILE THOURY. Light ageratum blue.	1.00	7.00
FELTHAM BLUE. A pretty aniline blue; very free	1.00	7.00
HIGHLAND MORN. New 2 1-2 ft. tall. Delicate light blue flowers.	1.00	7.00
KING OF THE BELGIANS. Light lobelia blue, 3 feet.	1.00	7.00
MAID OF ATHENS. Large single bright pink, 2 inches across.	1.00	7.00
MAGGIE PERRY. Very large flowers, frequently 2 1-2 inches across, loosely arranged in large trusses, of a pleasing tone of soft mauve. Most distinct and striking novelty.	1.00	7.00
MONS. Distinct reddish violet; a very showy type of refined character, useful in autumn hampers, and in general bouquets.	1.00	7.00
NOVAE ANGELIAE. Bright purple violet. 4 feet.	1.00	7.00
NOVAE-ANGELIAE ROSEA. Deep reddish violet. Height 4 feet.	1.00	7.00
NOVI BELGI APRES. Rosy red, neat compact bushes. One of the finest asters in this color.	1.00	7.00
PERRY'S BLUE. A fine blue of medium height.	1.00	7.00
QUEEN MARY. 4 ft. Flowers are dark sky-blue and frilled. Plant is of the climax type, but with more lateral branches. It is one of the best of the Novi Belgi type yet introduced. A splendid variety for cutting.	1.50	10.00

TRY not to allow the silent appeal of flowers to blind me to their value and intrinsic worth to my customers. Each plant we grow must measure up to a high standard as an individual. It must serve a purpose either as a forcing variety, a summer cut flower, a rock garden or a landscape flower.

	Per 10	Per 100
ROYAL BLUE. A compact, strong grower with large flowers of rich purplish blue, very early and free	1.00	7.00
SAM BANHAM. Large feathery pure white, one of the earliest. 3 feet.	1.00	7.00
ST. EGWIN. Beautiful light pink. Compact. 2 1-2 ft.	1.00	7.00
TARTARICUS. This is the latest bloomer of the kinds we have grown. It spreads fast from the root and a few plants soon make a good colony. Flowers bluish purple.	1.00	7.00

Aster Japonica

Japanese Aster

Double white symmetrical habit growing about 2 feet high. Bearing from July to Sept., double white flowers similar to double Feverfew.	1.50	10.00
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Dwarf Alpine Asters

ACRIS. A pretty plant about two feet high with lavender-pink flowers.	1.50	10.00
ALPINUS ALBUS. Fine dwarf white aster, bearing large, single white flowers on stems 6 to 9 inches high; excellent for rock gardens. May-June.	1.50	10.00
ALPINUS SUPERBUS. Large showy form that is excellent for border planting.	1.50	10.00
MAGNIFICUS. Giant form of the beautiful white Alpine Aster.	1.50	10.00
MAUVE CUSHION. Distinct species which has attracted much attention by its unique habit of growth, its floriferousness and lateness in flowering. It forms a circular cushion-like plant 2 1-2 feet across, the center of the plant rarely exceeding 9 inches in height, gradually tapering to 3 to 4 inches at the outside; the flowers, of delicate mauve, with silvery white reflection, measure over 1 1-4 inches in diameter, and are produced in such lavish profusion as to completely cover the plant; the blooms are at their best in November.	1.50	10.00
SUBCOERULEUS. Forms a dense tuft of leaves, from which issue many leafless stems 12 inches high, bearing in June and July massive bluish-violet flowers 3 inches in diameter.	1.50	10.00
SUBCOERULEUS APOLLO. Ageratum blue.	1.50	10.00
SUBCOERULEUS ARTEMIS, NEW. Fine light rosy-lilac flowers. Height 1 1-2 feet.	1.50	10.00

We emphasize the quality of our plants rather than the prices at which we sell them. We believe that you get enough better results from thrifty plants to warrant the prices we charge.

ASTILBES

Spirea Astilbe

ASTILBES are one of our main products. Annually we ship for forcing purposes from 50,000 to 75,000 2-year clumps. These plants are dug at a time when they are in proper condition, receiving four or five good freezings before digging. This is assurance of the fact that when our customers receive them they are in prime condition for potting immediately and should give maximum results.

Orders for forcing will be booked this spring for delivery in the forcing season beginning December 1st.

	Per	Per	
	10	100	
AMERICA. An early lilac pink Astilbe that blooms profusely. Its delicate color and the size of its flower trusses make it an outstanding forcing plant for Spring sales. As a garden flower it is a great favorite. Planted in rich moist soil this plant will draw the eyes of everyone while it blooms and it has attractive foliage the year round. America blooms about two weeks earlier than the average Astilbe.	3.00	25.00	

	Per	Per	
	10	100	
AMETHYST. Well branched spikes of deep violet-purple. End of June. An interesting garden variety	6.00	50.00	
ARENDSI, PINK PEARL. Dense panicles of small pearl-like flowers; delicate light pink.	3.00	25.00	
ARENDSI VENUS. Bright deep violet rose.	3.00	25.00	



JOSEPH F. MARTIN

This picture was taken in a greenhouse operated by one of our customers. Please note the quality of growth and the size of the flowers produced from our plants prepared as mentioned above.



Astilbe, Peach Blossom
ASTILBES (Cont'd)

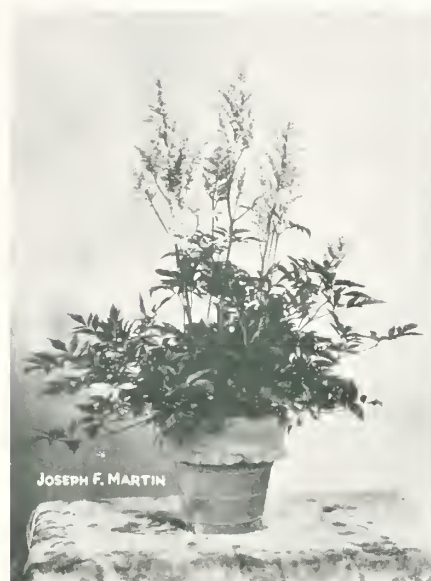
- | | Per
10 | Per
100 |
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| BETSY CUPERUS. Splendid new variety growing 5 feet high. The fine drooping flower spikes, 2 feet long, show in Summer during some weeks a great number of white flowers with pink center. | 3.00 | 25.00 |
| CERES. Growing 2 1/2 to 3 feet high, with spikes of a rosy lilac color; fine garden variety. | 3.00 | 25.00 |
| CHINENSIS. Large heads of silvery pink flowers. Garden variety. | 2.50 | 20.00 |
| DEUTSCHLAND. Snow-white, beautiful trusses. A fine forcer. | 4.00 | 30.00 |
| GLADSTONE. A fine variety. Immense trusses of flowers are white as snow, borne on erect, strong stocks; best white for forcing. | 4.00 | 30.00 |
| GLORIA. The latest of all forcing Astilbes—a little taller and a little more prolific than the average. Its deep rose-pink flowers make a grand showing | | |



Astilbe, Gloria



Astilbe, America



Astilbe, Queen Alexandra

- | | Per
10 | Per
100 |
|---|-----------|------------|
| in any arrangement. As a garden flower they punctuate any planting remarkably, and for summer cut flowers they make up well with pink or white hardy carnations, Achillea Perry's White or Gypsophila for sprays or baskets. | 4.00 | 30.00 |
| GRANAT. Deep carmine red. | 4.00 | 30.00 |
| GRANDIS ROSEA MAGNIFICA. The drooping spikes of flowers have a length of over 2 feet and are a beautiful creamy white, with pink centers. 5 to 6 feet. Fine variety for the garden. | 3.00 | 25.00 |
| GRINO. This new Astilbe grows 4 feet high and produces light graceful spikes spreading habit and has a splendid salmon-pink color. Award of Merit R. H. S. of Holland. | 4.00 | 30.00 |
| JUNO. A hybrid form with splendid long rose pink panicles of flowers. | 3.50 | 30.00 |
| KRIEMHILDE. A new variety with feathered spikes of salmon-pink flowers. Nice for cutting and very attractive in the garden. | 3.00 | 25.00 |
| MARGUERITE VAN RECHTEREN. This plant grows about 5 feet high. The flower stem itself has a length of over 3 feet. The very fine fringed flowers are bright red tinged with dark lilac. | 3.00 | 25.00 |
| METTA IMBINK. Splendid new cross having dense flower spikes of a delightful pink color. Very commendable. Award of Merit R. H. S. of Holland. | 3.00 | 25.00 |
| PALMATA ELEGANS. 3 feet. June to August. Graceful plumes of lovely light pink flowers. Fine for waterside planting. | 2.00 | 15.00 |
| PEACHBLOSSOM. A beautiful peachblossom pink. Plant is very compact and thrifty and usually produces from four to seven large flower trusses. Blooms two weeks earlier than the mid-season varieties. An excellent forcing variety for pre-Easter sales. Plants usually require 7 or 8 inch pots. | 3.00 | 25.00 |
| PRINCESS MARY. Pink, good forcer. | 3.00 | 25.00 |
| QUEEN ALEXANDRA. Flowers a bright pink. Plants grow quite broad and stocky throwing up numerous large flower trusses. It is a mid-season variety that forces supremely well in the greenhouse. It is an outstanding favorite with many florists for Easter business. It is also very satisfactory in the garden. | 3.00 | 25.00 |
| QUEEN OF HOLLAND. Blush-white. | 3.00 | 25.00 |
| RHINELAND. The compact spikes are bright crimson colored with salmon shade. | 4.00 | 30.00 |
| ROSE PEARL. Shell pink. An excellent variety for forcing or for use in the perennial garden. | 3.00 | 25.00 |
| RUBENS. Rosy red, fine for forcing. | 3.00 | 25.00 |

By booking Forcing Perennials now you are assured of getting the plants in proper season.

AUBRETIA

ONE OF the daintiest of all creeping plants. Nice for carpeting. Very desirable for rockeries. Blends in beautifully with most of the rock garden plants to produce mass effects over small areas.

	Per 10	Per 100
BRIDESMAID. Pretty variety with soft blush flowers.	1.50	10.00
BOUGAINVILLE. Dwarf and compact. Blooming in late spring and summer with light violet flowers	1.50	10.00
COERULEA. Delicate blue. Very showy.	1.50	10.00
CRIMSON KING. Extra fine rich crimson.	1.50	10.00
DELTOIDES. Neat compact plants covered with closely set lilac flowers.	1.50	10.00
GRACEA. Violet, large flowers, fine spring bedders.	1.50	10.00
MOERHEIM. Beautiful new variety with lilac pink flowers.	1.50	10.00

BAPTISIA

False Indigo

AUSTRALIS. A strong growing plant about 3 feet high, suitable either for the border or wild garden with dark green deeply cut foliage and spikes of dark blue, lupine-like flowers; good for cutting.

1.00 7.00

BELLIS PERENNIS

THE BRIDE, OR IMPROVED SNOWBALL. A fine large double free-flowering pure white.

.85 6.00

BOCCONIA

Plume Poppy

CORDATA. 6 to 8 feet. Big feathery heads of creamy white flowers. Tall, upright habit. Fine for back-grounds, also makes a nice filler in basket work

1.00 7.00

BOLTONIA

ASTEROIDES. Among the showiest hardy plants with large single Aster-like flowers. The plant is in bloom during the summer and autumn months with its thousands of flowers open at one time producing a very striking effect. Pure white, very effective. 6 to 7 feet. Good for cutting.

1.00 7.00

LATISQUAMA. Lavender-pink. 4 to 5 feet. Good for cutting.

1.00 7.00

BUPHTHALMUM

CORDIFOLIA. A tall growing perennial very showy in group plantings, bright orange yellow flowers. Large deep green foliage very desirable for naturalizing.

1.50 10.00

SALICIFOLIUM. Willow-leaf Oxeye. Yellow flowers, neat bushy habit. Two feet.

1.50 10.00

SPECIOSUM. Showy Hungarian species, bold foliage yellow flowers.

1.50 10.00

BUDDLEIA

Butterfly Bush

VARIABILIS MAGNIFICA. This is really a shrub, but the top usually freezes back, and new growth starts from the root like other perennials. Plants grow 3 to 4 feet and are covered with long racemes of lilac-like flowers all Summer.

2.00 15.00

CALAMINTHA

ALPINA. A good rock plant or for the edge of the border succeeds well in dry ground in a sunny position, small blue flowers in June, 6 inches.

1.50 10.00

CALANDRINIA

UMBELLATUM. Prostrate plant 4 to 6 inches high, with brilliant crimson saucer shaped flowers, good for hot place in rock garden.

1.50 10.00



Campanula Media

CALIMERIS

Starwort

Per 10 Per 100

INCISA. An attractive, free-flowering plant; grows 12 to 18 inches high, producing from July to September daisy-like, pale, lavender flowers, with yellow center.

1.50 10.00

CALLUNA

NANA. A nice little evergreen perennial grows 6" high. It is an outstanding plant in the rock garden.

2.50 20.00

CALLIRHOE MALVACEAE

Malloworts

INVOLUCRATA. Large crimson flowers, trailing habit; very showy. Thrives in ordinary soil.

1.00 7.00

Campanula

Bellflower

A LARGE and varied family of the greatest value for general garden decorations. They are of the easiest culture, thriving in any ordinary garden soil. Tall varieties are beautiful for all kinds of decorative purposes. The dwarf sorts are indispensable for rock gardens.

Per 10 Per 100

BONONIENSIS. Blue flowers on spikes. Tall. 3 feet. A good cut flower.

1.50 12.00

MEDIUM CALYCANTHEMA (Cup and Saucer), Blue, Rose and White. Colors separate. Classed among the showiest garden plants; also one of the most desirable cut flowers.

1.00 7.00

Campanula Medium Calycanthema are biennials. Only two or three flower stalks are needed to make an excellent showing.

CAMPANULA (Continued)

	Per 10	Per 100
CARPATICA. (Carpathian Harebell). A pretty species growing in compact tufts, not exceeding 8 inches high; flowers clear blue; held erect on wiry stems. It begins blooming in June, continuing until October. As an edging for a hardy border or for the rockery it is unsurpassed.	1.50	10.00
ALBA. A pure white form of the above.	1.50	10.00
CARPATICA WHITE STAR. Snowy white flowers 9 inches. June-Sept.	2.00	15.00
MEDIA. The well known "Canterbury Bells." Its numerous branches crowded with deep bells, the edges softly rolled back and fluted. In July; height 2 to 3 feet. Blue, rose or white. Very showy for garden valuable for cutting.	1.00	7.00
GARGANICA. Bluish purple with white eye. 6 inches. June to Sept.	1.50	10.00
PERSICIFOLIA. Coerulea Blue, an excellent companion to the white variety. The large blue flowers make an attractive contrast. Height 30 inches.	1.50	10.00
PERSICIFOLIA GRANDIFLORA ALBA. (White). One of the finest Campanulas, with large, handsome white, bell-shaped flowers. A great acquisition. Height 2 feet.	1.50	10.00
TURBINATA. Erect cup-like flowers, violet blue. Neat dwarf habit.	2.50	12.00

*New Large Flowering
Campanula Persicifolia*

THE named varieties are of recent introduction. They are a great improvement over the old Persicifolia. Flowers much larger and very beautiful. One of our leading seedsmen visited the leading nurseries and private estates in England in 1928 and said without hesitating, they are the most beautiful Campanula he ever had the pleasure of seeing. From a large list of introductions he selected for us the following.

	Per 10	Per 100
TELHAM BEAUTY. Very large flowered, china blue, silvery shading.	2.50	20.00
MOERHEIM. Fine pure white.	2.50	20.00
PITZERI. Light blue, large double and semi-double flowers.	2.50	20.00
SODHAM'S GIANT. Very fine stock, flowers large, varied shades of blue and lavender, also white.	2.50	20.00
LAVENDER. QUEEN Large lavender blue flowers	2.50	20.00

CARNATION

THE Truest Hardy Outdoor Carnation. No Florist should be without them. A beautiful strain of hardy pink, which resembles most of all the indoor Carnation, blooming in great abundance all summer, in the most magic colors, flowers being semi- to full double. Excellent for cutting and very hardy. By cutting all flowers off, the life of the plant is maintained and it renews itself and starts new growth of the top and roots.

GIANT PINK. An attractive delicately colored flower that fills a great variety of uses for summer cut flowers. A beautiful landscape flower as well.	1.50	10.00
GRENADEX RED. A large flowering type. Very desirable for garden or cutting.	1.50	10.00
GRENADEX WHITE. White form of the above.	1.50	10.00

CASSIA

Indian Senna

MARYLANDICA. Handsome pinnat foliage and numerous racemes of showy yellow flowers; an extremely desirable plant of the easiest culture.	1.00	7.00
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CEPHALARIA

Roundheads

ALPINA. When fully established attains a height of 6 feet, bearing in June and July delicate sulphur-yellow flowers, not unlike the flowers of Scabiosa.	1.50	10.00
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A spray of Hardy Carnations, Grenadin White with hardy Gyp and ferns. By wiring four or five of the smaller blooms together, five or six dozen of these flowers will make a large spray. These Carnations bloom profusely. A small outdoor planting furnishes enough flowers for many such pieces. The plants do better if flowers are all cut as they come into bloom.

CENTAUREA**Knapweed**

Makes a fine display in the border; also excellent for cutting.

	Per 10	Per 100
MACROCEPHELA. Large thistle-like golden yellow flowers; useful for cutting and showy in the border; July and August; 3 1-2 feet.	1.50	10.00
MONTANA. (Perennial Corn Flower.) Grows 2 feet high, bearing large violet blue flowers from July to September.	1.50	10.00
MONTANA ALBA. Pure white.	1.50	10.00

CERASTIUM

BIEBERERSTEINE. Pure white flowers with cottony foliage, fine.	1.50	10.00
TOMENTOSUM. A low, creeping plant with the upper surface of the leaves light in color and woolly; it bears a profusion of pretty white flowers. Much used for edging, also to plant in crevices of walls or rockwork, where it keeps up a succession of bloom all summer.	1.00	7.00

CHEIRANTHUS**Siberian Wallflower**

ALLIONI. A beautiful rock plant. Dazzling fiery orange flowers, on stems about a foot high. Best used as a biennial as it frequently blooms itself to death.	1.00	7.00
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CHELONE**Shellflower**

HANDSOME perennial, growing about two feet high, and bearing numerous spikes of large flower heads, Summer and Fall.

LYONI. Heads of showy purplish red flowers.	1.00	7.00
COCCINEA SCARLET. Attractive bright red flowers on long stems. Dwarf compact habit.	1.00	7.00
BARBATUS TORREYI. Bright scarlet flowers on long stems.	1.00	7.00



Hardy Carnation, White



Chrysanthemum Maximum, Shasta Daisy

Chrysanthemum Maximum

Shasta Daisy or Moonpenny

IN THE garden they are classed among the most known Hardy Plants. They also hold an important position as desirable cut flowers.

	Per 10	Per 100
ALASKA. Extra large.	1.00	7.00
ARCTICUM. (Arctic Daisy) Among fall flowering perennials this is one of the best. It forms an attractive clump of dark green foliage, and in September multitudes of white flowers, slightly tinged rose or lilac, 2 inches wide, appear. 2 to 2 1-2 ft. September to November.	1.00	7.00
COREANUM. (Korean Chrysanthemum.) A remarkable new perennial from Korea of ironclad hardiness. Large, white flowers with golden center resembling a glorified daisy. Flowers often turn to a light pink, 2 to 4 feet high, in bloom from October to December.	2.00	15.00
GLORY OF WAYSIDE. The earliest to flower coming into bloom in May with pure glistening white flowers, which are produced in great profusion on symmetrical compact plants from 12 to 15 inches high.	1.00	7.00
LEUCANTHEMUM FLORE PLENO. (Double White Shasta Daisy.) Flowers double, pure white, of medium size, excellent for cutting; each plant produces from 30 to 50 flowers; perfectly hardy without any protection. Our latest and best addition to the Shasta Daisies.	1.00	7.00
MRS. C. LOTHIAN BELL. This magnificent white Daisy is undoubtedly the largest flowered of its class. Flowers frequently measure six inches across with very broad petal of great substance. 2 1-2 to 3 feet. Extra for florists use.	1.00	7.00
MEMORIAL. A strong growing variety with extra good stems. Large flowers in bloom for use on Decoration Day. Very good cut flower.	1.00	7.00
ELDER DAISY. This Daisy is now recognized by all for its earliness of flower and it is being used for forcing quite extensively with very good results.	1.50	10.00

For a solid carpet Cerastium Tomentosum is excellent.



Celine



White Dotty



Mrs. H. Harrison

Chrysanthemums

THIS IS the flower above all others that gladdens your heart when your garden is growing bare. The inclusion of Hardy Chrysanthemums in your plantings makes it possible to have the garden bright with flowers after the majority of hardy herbaceous flowers are gone. They are also valuable for cut flowers. The varieties offered below have been carefully selected and will give a flowering period of two months, from the middle of September until the middle of November.

AUTUMN GLOW. Rose crimson large.

Per	Per
10	100
1.50	10.00

ADIRONDA. Small, compact, aster-flowered variety of medium height. Plant covered with bronze flowers early in the season.

1.50	10.00
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ALICE HOWELL. Orange bronze.

1.50	10.00
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BOSTON. Tall-growing, free-flowering and well branched heads. The large flowers are late and of a beautiful bronzy orange. Very hardy.

1.50	10.00
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CAPT. R. H. COOK. A fine pompon-flowered late blooming variety. The flowers are a clear dark rose, rather tall grower.

1.50	10.00
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CELINE. Large early pink.

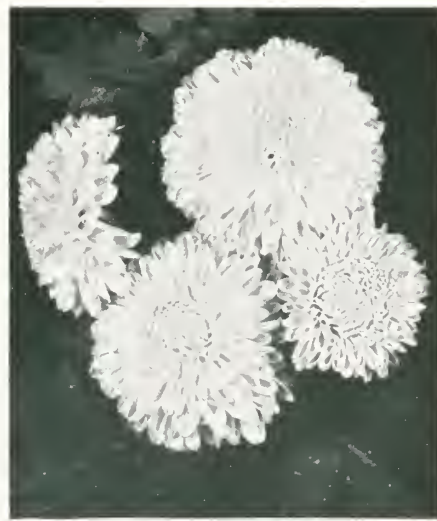
1.50	10.00
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Mrs. F. H. Bergen



Golden Queen



Capt. R. H. Cook

	Per	Per
	10	100
ELKTON. Profuse, very compact, multi-petaled flowers of dollar size, bluish white slightly tinged lavender.	1.50	10.00
FIELD OF SNOW. Pure white button.	1.50	10.00
FRED PEELE. A very pretty button yellow.	1.50	10.00
GOLDEN HARVEST. Orange	1.50	10.00
GOLDEN QUEEN. Yellow, large.	1.50	10.00
IVA. Dwarf bronze; wonderfully free flowering.	1.50	10.00
INDIAN. Late-flowering, very hardy variety of medium height. Flowers are shaggy and of peculiarly pleasing coppery red shade. A good sort.	1.50	10.00
L'ARGENTUILLAIS. Bronze flowers tipped yellow, of medium height. Early large flowering.	1.50	10.00
LILLIAN DOTY. Beautifully formed shell-pink flowers produced very freely. A true pompon.	1.50	10.00
LITTLE BOB. Bronze button.	1.50	10.00
LITTLE DOT. Rich mahogany crimson.	1.50	10.00
MARIE ANTOINETTE. Deep pink.	1.50	10.00
MRS. F. H. BERGEN. Midseason flowering of medium height. Large, pale pink flowers with deep pink center.	1.50	10.00
MRS. H. HARRISON. Medium height. Plant produces large clusters of fine, full double pink flowers with cream-pink center. Excellent pompon.	1.50	10.00



Philadelphia



Adironda



Little Bob

CHRYSANTHEMUM (Cont'd)

	Per 10	Per 100
OLD HOMESTEAD. A buff pink. One of the best.	1.50	10.00
OURAY. Medium height, early flowering. Flowers are good sized pompons about 1 1-2 inches in diameter, carried on strong, stiff stems. Color is a very brilliant, dark scarlet with copper glow.	1.50	10.00
PHILADELPHIA. Early deep rose aster.	1.50	10.00
PRESIDENT. Very pretty bronze button.	1.50	10.00
RED AND GOLD. Bronze incurving petals tip gold.	1.50	10.00
SKIBO. A very early-flowering pompon type of medium height. Plant covered with blossoms which open bronze, changing to a rich yellow retaining a small bronzy center. Flowers about 1 1-2 inches across. Very hardy variety.	1.50	10.00
SUMMER GOLD. Early flowering type, medium sized yellow flower.	1.50	10.00
VICTORY. White, large.	1.50	10.00
WHITE DOTY. Late-flowering, tall and upright, very stiff stem carries flowers high where they will not get soiled. A splendid pure white pompon.	1.50	10.00
WESTERN BEAUTY. A deep rose-pink, rather late for the shows, but one of the best Pompons ever introduced.	1.50	10.00



Skibo

	Per 10	Per 100
VIOLA. A rich violet-red. Very showy against a white background.	1.50	10.00
YELLOW NORMANDIE. Yellowish bronze. An early variety of great worth.	1.50	10.00

CLEMATIS, DWARF

DAVIDIANA. A most desirable variety, with fresh, bright green foliage and tubular, bell-shaped flowers of deep lavender-blue during August and September; deliciously fragrant. 2 1-2 feet.	1.50	10.00
INTIGRIFOLIA CAERULEA. Blue useful and showy. 2 feet. June and August.	2.00	15.00

CIMCIFUGA**Snake Root**

RACEMOSA. A handsome native species bearing in July and August spikes of pure white flowers.	1.00	7.00
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COREOPSIS

LANCEOLATA GRANDIFLORA. A beautiful hardy border plant grows 15 to 18 inches high and produces its bright flowers in great profusion. By cutting off old flowers, it will bloom until fall.	1.00	7.00
VERTICILLATA. Slender habit, linear whorled leaves, yellow, dark disk. Elegant.	1.50	10.00

CRUCIANELLA**Crosswort**

STYLOSA. Early-flowering, hardy perennial, suitable for rock work; bright purple, ball-shaped flowers. Height 6 inches.	1.00	7.00
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DELPHINIUM**Perennial Larkspur**

INDISPENSABLE to the herbaceous garden. Their long showy spikes of flowers persist from June till frost and furnish the most satisfactory blues to any color scheme.

BELLADONNA. The most continuous blooming of all, never being out of bloom from June first until cut down by hard frost. The clear turquoise blue of its flowers is not equalled for delicacy and beauty by any other flowers 1 year.	1.00	7.00
Select two-year clumps.	1.50	10.00
BELLAMOSUM. The dark blue form of the popular Belladonna. One year.	1.00	7.00
Two year	1.50	10.00
CHINENSIS. A very pretty variety with fine feathery foliage and intense gentian-blue flowers in open panicles. 1 year.	1.00	7.00
CHINENSIS ALBUM. A pure white form of the above, 1 year.	1.00	7.00

DELPHINIUMS (Cont'd)

	Per 10	Per 100
ENGLISH HYBRIDS. (Blackmore and Langdon's best strain.) For many years we have grown many different strains of Delphinium having in mind to supply our customers with the best obtainable. This strain without a doubt stands in a class by itself. It has the range of colors well divided in the palest shades of blue to the deepest indigo with a strong run of the most delicate shades of rose, double and single. 1 year.	1.00	7.00
2 year plants.	1.50	10.00

DIANTHUS BARBATUS

Sweet William

OLD favorites, bearing their sweet, clove-scented flowers in the greatest profusion during May and June. They are indispensable for the edge of the hardy border and for cutting.

AS a green house forcing plant, the Delphinium has established its supremacy. It takes 8 to 10 weeks to force them. By making a succession of plantings in your greenhouse benches during January and February, you will have flowers in March and April to be proud of.

The delicate blue of Delphiniums are beautiful in almost any floral arrangement. Outstanding effects can be produced with them. We will appreciate your early orders for forcing stock.

	Per 10	Per 100
ATROSANGUINEUS. Blood Red.	1.00	7.00
WHITE BEAUTY. Pure White	1.00	7.00
PINK BEAUTY. Improved fine deep salmon pink color.	1.00	7.00
SCARLET BEAUTY. Rich deep scarlet, bright green foliage, very fine.	1.00	7.00
LATIFOLIUS ATROCOCINEUS, FL. PL. Beautiful summer bedding variety, producing masses of brilliant fiery crimson flowers all season.	1.00	7.00

DIANTHUS — HARDY PINKS

THIS class of plants are like miniature Carnations. Plants are of compact growth, growing about six inches tall; flowers covering the plants immediately over the foliage. They are very showy. One of the most suitable for planting in rock gardens. When not in flower the foliage is ornamental.

ABBOTTSFORD. Deep crimson with white markings, one of the best.	1.50	10.00
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Blackmore And Langdon Hybrid Delphiniums And Gypsophila Bristol Fairy

**Dianthus Plumarius****DIANTHUS (Continued)**

	Per 10	Per 100
ESSEX WITCH. Delicate Pink, finely fringed.	1.50	10.00
HER MAJESTY. Very large purest white.	1.50	10.00
MISS GLADYS CRANFIELD. A lovely single pink, flowers bright rose, with velvety crimson eye, very fragrant.	1.50	10.00

DIANTHUS SPECIES**Sweet Scented Clove Pinks**

THE species types have grasslike foliage covering the ground. They have the tendency of giving an extra heavy crop of small flowers which are very attractive. These are also ideal for rock garden purposes.

ALPINUS ALWOODI. Grand novelty. New Hybrid race of Dianthus Alpinus.	1.50	10.00
ARENARIUS. This pink delights in a sandy soil and sun. Flowers white with carminerings, deeply fringed and fragrant. Excellent for dry hot places. Six inches.	1.50	10.00
ALPESTRIS KNAUPL. A dainty species producing slender stems which bear clusters of small yellow flowers.	1.50	10.00
CREUNTES. Very dark crimson, in clusters, neat border species.	1.50	10.00
DELTOIDES BRILLIANT. Glowing crimson flowers. A most striking rock plant.	1.50	10.00
DELTOIDES ALBA. A white form of the above.	1.50	10.00
GRANATICUS. Good rock species, neat branching habit, bright red flowers in the way or Deltoides.	1.50	10.00
NEGLECTUS. One of the most beautiful wild pinks in cultivation. The stems are about six inches high, with deep rose colored flowers, frequently borne with two on a stem. No flower garden should be without this lovely pink.	1.50	10.00
SEQUIERI. Ragged pink, Bright Pink 2 ft.	1.50	10.00

DIANTHUS PLUMARIUS

THIS class of Pinks grows about eight inches tall, with grayish foliage producing rose pink and white very fragrant flowers. If flowers are cut they will continue to flower throughout the entire summer. Very showy.

	Per 10	Per 100
CYCLOPS. Red Hybrids.	1.50	10.00
DIADEMUTUS FL. PL. Finest mixture of pleasing pink shades.	1.50	10.00
MRS. SIMKINS. Large pure white, clove scented flower in great abundance. Good for cutting.	1.50	10.00
SEMPERFLORENS. Single and double flowers in mixed colors.	1.00	7.00

DICENTRA**Bleeding Heart or Seal Flower**

SPECTABILIS. An old-fashioned favorite; its long racemes of graceful heart-shaped pink flowers are always attractive. It is used largely for forcing. 2.50 20.00

EXIMIA. (Plumy Bleeding Heart.) A dwarf growing sort, with beautiful finely cut foliage and showy racemes of pretty pink flowers throughout the season. 2.00 15.00

DICTAMNUS**Gas Plant**

The Dictamnus is one of the most satisfactory hardy plants in cultivation, both on account of splendid flowers and its rich, durable foliage.

FRAXINELLA ALBA.	2.00	15.00
FRAXINELLA RUBRA.	2.00	15.00

**Dicentra (Bleeding Heart)**

Due to our success in propagation, we can now supply Bleeding Hearts of superior quality for planting.

DIGITALIS**Foxglove**

FOR stately and picturesque beauty it is not to be surpassed, and, planted in masses in the garden among shrubs or naturalized on the edge of woods, in the orchards or along brooks, it is extremely effective and satisfactory. It is a biennial, but, as it renews itself from self-sown seed, it may be treated as a perennial.

	Per 10	Per 100
GIANT SHIRLEY FOXGLOVES. They are a genuine "Shirley" production of extraordinary size and vigor, growing 5 to 6 feet tall. The flower-heads are over 3 feet long, crowded with big, bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate.	1.00	7.00
GLOXINIAEFLORA ALBA. Fine variety with spotted flowers; height 4 ft.	1.00	7.00
GLOXINIAEFLORA ROSEA. An excellent rose-colored type. June and July.	1.00	7.00
PURPUREA GLOXINIAEFLORA. Purple, spotted flowers; height 4 ft. June and July.	1.00	7.00
ISABELLINA. New Hybrid of Purpurea, yellow flowers.	1.00	7.00
LUTZ HYBRID. New and attractive hybrid, salmon flowers.	1.00	7.00

DORONICUM**Leopard's Bane**

EXCELSUM. Has large, yellow marguerite-like flowers, 2 1-2 to 3 inches across, in early spring. 1 1-2 to 2 ft. May-June. Suitable for cutting.	2.00	15.00
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ECHINAREA

HYBRIDA ROSEA. Rose flowers.	1.00	7.00
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ELDER DAISY

This Daisy is now recognized by all for its earliness of flower and it is being used for forcing quite extensively with very good results.

1.50 10.00

**Echinacea Purpurea**

Euphorbia Is An Excellent Mist Flower For Basket Work

**Digitalis (Foxglove)****ERIGERON****Fleebane**

	Per 10	Per 100
ALPINUS. A dwarf species suitable only for rock gardens. Plant bears an attractive head of purplish flowers.	1.50	10.00
ROSEA. Small lavender pink flowers. 12".	1.50	10.00
SPECIOSUS. 2 feet. June and July. Large, handsome blue flowers, violet tinted and yellow centers; fine for cutting.	1.50	10.00

ERYNGIUM

ALPINUM. Spring leaves, steel blue flowers, 1 1-2 feet. July-Sept.	1.00	7.00
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ECHINACEA

PURPUREA (Purple Coneflower). Is without a doubt one of the most interesting of hardy plants. It has reddish purple flowers, four inches in diameter. Three to four feet. July-August. Desirable for cutting.	1.00	7.00
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EUPHORBIA

COROLLATA (Flowering Spurge). A branchy tall growing plant with fine stems and foliage, literally covered from June to August with loose umbels of pretty white flowers. Good for cutting in long sprays; and one of the most charming mist-flowers to mix with bouquets of Larkspur.	1.00	7.00
CYPARISSAIS. Yellow flowers in trusses. 1 1-2 ft. June to Sept. Fine deep green lacinated foliage.	1.50	10.00

**Echinops Ritro****ECHINOPS**

	Per 10	Per 100
RITRO. Metallic blue flowers; thistle-like foliage 3 to 4 ft. July-August. Used for garden or cutting.	1.50	10.00

EUPATORIUM

COELESTINUM (Hardy Ageratum.) A fine perennial closely resembling the Ageratum, flowers a lavender blue, flowering from August to frost. A fine perennial for florists' use.	1.00	7.00
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FUNKIA

ARGENTIA. Strong growing variety. Foliage golden in early spring.	2.00	15.00
LANCEOLATA Valuable by reason of its late flowering, lilac flowers in September; 2 feet. A good landscape variety.	1.00	7.00
UNDULATA VARIEGATA (Day Lily). Graceful green leaves having fluted white edge. Very conspicuous plant for border. They are also beautiful when used as a foliage pot plant for Easter sales.	1.50	10.00

GAILLARDIA**Blanket Flower**

GRANDIFLORA. This is considered one of the most beautiful and desirable plants in cultivation, beginning to bloom in June they continue one mass the entire season. A most beautiful combination. Fine for cutting.	1.00	7.00
LEMASTODONTE. Yellow, with red center no colored zones.	1.50	10.00

Gaillardias, in the improved types are much more attractive now than ever before.

	Per 10	Per 100
MAXIMA. This fine strain of Blanket Flower far surpasses the older ones in vigor and brilliance of color. Three to four feet.	1.00	7.00
PORTOLA HYBRIDS. A new strain of large flowering Gaillardia having a color range from reddish bronze to a deep gold. Very satisfactory as a cut flower.	1.50	10.00

GALEGA**Goat's Rue**

SHOWY plants of the easiest culture and very useful in the hardy border. They form very bushy plants with attractive foliage and pea-shaped flowers. Fine for cutting.

DUCHESS OF BEDFORDS. Lilac and white.	1.00	7.00
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GERANIUM

LANCASTRIENSE. Flesh-veined purple trailing plant, 6 inches. July and August.	1.50	10.00
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GEUM**Avens**

ATROSANGUINEUM. Large, double, crimson flowers. Valuable for cutting. July to September, 2 ft.	1.50	10.00
COCCINEUM MRS. BRADSHAW. (Chiloense). A splendid new variety, with large, double flowers of a fiery red, blooming nearly all Summer. Peculiarly attractive, 18 inches.	1.50	10.00
LADY STRATHEDEX. A new introduction of great merit. Rich golden yellow blossoms, counterpart of G. Mrs. Bradshaw. Fine for hardy garden.	1.50	10.00

GENTIANA

CRUCIATA. Deep blue in clusters easy of cultivation.	1.50	10.00
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GLOBULARIA

TRICHOSANTHES. Small blue flowers. Globular heads, neat for border, desirable for rockery.	1.50	10.00
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GRASSES, HARDY

EULALIA JAPONICA ZEBRINA (Zebra Grass). The long blades of this variety are marked with broad, yellow bands across the leaf. It makes a very attractive specimen plant for the lawn, 6 to 10 feet.	1.50	10.00
EULALIA JAPONICA VARIEGATA. Very ornamental; long, narrow leaves, striped green, white, and often pink or yellow.	1.50	10.00
FESTUCA GLAUCA. Dwarf ornamental grass growing 4 inches high. A good plant for border or rockery.	1.50	10.00

GYPSOPHILA**Baby's Breath**

DOES well in rather dry places. Valuable for "mist effect" in bouquets and in the garden where a mass of delicate, misty bloom will fill a bare place.

ACUTIFOLIA. Lilac-rose; height 4 ft.	1.50	10.00
BRISTOL FAIRY. A Double Gypsophila of greater vigor, producing larger panicles of flowers, and having the advantage of blooming more or less continuously all summer, new branches of bloom appearing after the first flush of flowers has passed, if these are cut.	2.50	20.00
EURLEI. New flowers pure white almost as large as Achillea's. A fine filler for all sorts of floral pieces.	2.50	20.00

GYPSOPHILA Continued

	Per 10	Per 100
PANICULATA (Baby's Breath). A beautiful old-fashioned plant possessing a grace not found in any other perennial and attracting the eye of everyone. Dense spreading bush, numerous tiny flowers in light feathery panicles, delicate foliage, fine for cutting, excellent for border or large rock gardens. July and August. Strong roots. If cut and dried will make excellent filler for winter use.	1.00	7.00
REPENS . A beautiful trailing plant for the rockery, with clouds of small, white and pink flowers in July and August.	1.50	10.00

HELIANTHEMUM

Rock or Sun Rose

LOW-GROWING evergreen plants, forming broad clumps, and which during their flowering season, July to September, are hidden by a mass of bloom; for the front of the border, the rockery, or a dry, sunny bank.

BUTTERCUP . Golden yellow.	1.50	10.00
DAINTY . Light blue.	1.50	10.00
FIREBALL . Bright scarlet.	1.50	10.00
RHODANTHE CARNEUM . Pink flowers, gray foliage.	2.00	15.00
ROSE QUEEN . Single pink.	2.00	15.00
THE BRIDE . Single white silvery foliage.	2.00	15.00
METABILE . Hybrid of rose white and yellow flowers.	1.50	10.00

HELIANTHUS

MULTIFLORUS FL. PL. Clear yellow; closely resembling a Dahlia in shape and finish. 4 feet.	1.50	10.00
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HELIOPSIS

LALAIS . Beautiful golden yellow daisy like flowers growing on stalks 3 feet high. Fine for use in vases by itself or with other flowers.	1.00	7.00
PITCHERIANA . Deep yellow flowers, very showy border plant.	1.00	7.00
SCABRA ZINNIAEFLORE . Grows about 2 feet high with large semi-double, yellow flowers about 3 inches across.	1.50	10.00

HELENIUM

Helen Flower

THIS magnificent perennial during its blooming season from early August until the middle of September, literally produces hundreds of beautiful yellow to bronze colored flowers. The flowers on one and the same plant vary in colors according to their growth and different stages of development. Beautiful for the garden. Fine for cutting.

AUTUMNALE (Sneezeweed). This handsome native perennial attains a height of three to five feet. It branches at the top and bears many large yellow flowers in autumn.	1.50	10.00
AUTUMNALE RUBRUM . Similar to superbum, but has bright terra cotta red flowers; makes a wonderful display during the month of September. 3 to 4 feet.	1.50	10.00
HOOPESII . Charming yellow flowers, fine for cutting. Hardy and interesting. Spreads from root division. Flowers about June.	1.50	10.00
RIVERTON GEM . Old gold, changing to wall flower red August and September. 4 feet.	1.50	10.00
RIVERTON BEAUTY . Pure lemon-yellow, with large disc of purplish black.	1.50	10.00

Hemerocallis

WELL known family resembling Lilies in character and bloom, usually sweet scented and bearing a great quantity of yellow flowers during long periods of summer varying with the variety. Are very showy in the garden. They run in height from 2 to 4 feet.

AURANTIACA . Bright orange Day Lily. 2 1-2 to 3 feet.	1.00	7.00
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	Per 10	Per 100
DR. REGEL . Handsome, rich orange-yellow flowers in May. Very fragrant. Fine for cutting. 1 1-2 feet.	1.50	10.00
FLAVA (Lemon Lily). Sweet scented, clear full yellow; 2 1-2 feet. Flowers in June.	1.50	10.00
FLORHAM . A strong grower, 3 to 3 1-2 feet high, large, trumpet-shaped flowers; rich golden yellow, with Indian yellow markings, June and July.	1.50	10.00
GOLD DUST . A compact grower. Flowers are outstanding golden yellow.	1.50	10.00
KWANSO FL. PL. Double orange flowers. July. 4 to 5 feet.	1.50	10.00
LUTEOLA . (Golden Day Lily). Bright golden-yellow with Indian yellow shadings; June and July.	1.50	10.00
MINOR . Dwarf lemon yellow. First of June.	1.50	10.00
THUNDERGL . Much like Flava, but flowers in July, a month later, and 6 to 10 inches of the upper portion of the flower scapes are thickened and flattened. 3 to 4 ft.	1.00	7.00

HEPATICA

TRILOBA . The three lobed Hepatica.	1.50	10.00
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HESPERIS

Sweet Rocket

MATRONALIS . 2 to 3 feet, June and July. Fragrant purple flowers in showy spikes. Desirable for wild garden, shrubbery or mixed border.	1.00	7.00
MATRONALIS ALBA . White.	1.00	7.00
MATRONALIS NIVEA . Dwarf white.	1.00	7.00

HEUCHERA

Coral Bells

BEAUTIFUL plants for front row of borders, with slender, fairy-like spikes of richly colored flowers; most striking in the garden and light and graceful for cutting.

BRIZOIDES . Has the same foliage and habit as Heuchera sanguinea, but the flower is pale pink, though three times as many flowers are produced. Bloom in May.	2.00	15.00
SANGUINEA ("Coral Bells"). Grows about 2 feet high, with scalloped purple-tinged round leaves; and throughout the summer throws up innumerable erect, slender flower stems, each crowned with a loose umbel of coral-red flowers.	2.00	15.00
SPLENDENS . Brilliant crimson. Fine spikes. 2 1-2 feet. June to August.	2.00	15.00

Hibiscus

CRIMSON EYE . Of quick, shrubby growth to 5 feet, bearing quantities of large open flowers like single Hollyhocks; white with prominent crimson throat.	1.00	6.00
MOSCHEUTOS . Large, bright pink flowers, on bushes about 4 feet high.	1.00	6.00
MALLOW MARVELS . A giant race derived from the common native Hibiscus, which has elevated this type almost to the dignity of shrubs. Massed in great groups or generously interspersed with shrubs, these "Marvels" grow very rapidly, sometimes getting up to 8 or 10 feet in height; with plenty of broad foliage to furnish a rich setting for the mammoth flowers. Can supply in mixture of white, pink and red.	1.00	6.00

HILLINATHELLA

GUENG . Large leaves. Yellow daisy-like flowers. 5 feet.	1.50	10.00
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Carnation Grenadins are in full flower throughout the entire summer. The types we offer are large double flowering.

HOLLYHOCKS

We have this season a fine lot of strong, clean, healthy, vigorous one-year-old flowering plants of the finest strains.

	Per 10	Per 100
ALLEGHENY MIXED. Mammoth flowers with fringed petals.	1.00	7.00
DOUBLE PINK, DOUBLE RED, DOUBLE WHITE, DOUBLE YELLOW, DOUBLE MAROON.	1.00	7.00
DOUBLE NEW LILAC.	1.00	7.00
DOUBLE LEMON YELLOW.	1.00	7.00

IMPERATOR. A fine recent introduction. The flowers are composed of a very broad collar of frilled and fringed petals with a large double center rosette. There are many attractive color combinations, canary yellow and pink, dark scarlet and cream and others the center rosette being a different color than the fringed petals. Recommended. Mixed only.

QUEEN OF SHEBA. New beautiful primrose buff with rosy reflection.

HYPERICUM

REPENS. Fine fern-like foliage, with small yellow flowers.

Per 10	Per 100
1.50	10.00
2.00	15.00
1.50	10.00



Japanese Iris with Gypsophila Bristol Fairy

Hollyhock Emperor and Queen of Sheba are two new introductions in the Hollyhock family. We have found the colors of these very desirable.

WE do not recommend using Japanese Iris as a cut flower for the general run of work. However, there are times when the demand is so insistent for something different that a basket or vase of these orchids of the garden seems most appropriate.

Their delicacy of color lends enchantment to any vase or basket.

IBERIS

Per 10 Per 100

GIBBALTARICA (Hardy Candytuft.) Very desirable dwarf plant with evergreen foliage, covered by dense heads of flowers early in spring; height 8 inches.

SEMPERVIRENS. Very dwarf, covered with a sheet of white; height 6 to 8 inches.

1.50 10.00

1.50 10.00

INCARVILLEA**Hardy Gloxinia**

LARGE, rich rose, Begonia-like flowers with deep yellow throats, produced all through the Summer. A hardy perennial which succeeds well in borders and is

equally valuable for greenhouse decoration. Height 18 in.

Per 10 Per 100

GRANDIFLORA. Very fine novelty flowers, brilliant rose, dwarf habit.

2.00 15.00

INULA

ENSIFOLIA. Yellow, very free. 1 1-2 ft. July and August.

2.00 15.00

ISATIS

GLAUCA. Yellow, in large loose racemes. Effective 3 1-2 ft. July and August.

2.00 15.00

Iris Kaempferi *Japan Iris*

PEOPLE in our district within a radius of a hundred miles await the flowering season of our field of Japanese Iris. While our fields are in full flower, they command the attention of all tourists as well as those who know of our fields. In the memories of those who have been visiting our fields of Japanese Iris, the sight remains forever. Our plantings annually consist of 250,000 plants. You can picture just what a sight a field of these magnificent flowers presents in full bloom.

The varieties we grow are the choicest. It has been our practice annually to purchase novelties as fast as they are obtainable and after a fair test, discard all those which we figure will not be a credit to our assortment. In checking over the varieties, you will note that we have a good many of the old stand-bys. The reason for this is that in our trials of new varieties, we have not found better ones to take their place.



JOSEPH F. MARTIN

Jap Iris, Gold Bound

Per 10 Per 100

1.50 10.00

ASTARTE. Double beautiful dark violet.

CIRCE. Double dark violet blue, finely lined with white.

1.50 10.00

EUMEE. Single dark violet.

1.50 10.00

GEKKA-NO-NAMI. Earliest to bloom, and the choicest white; very free. Glistening white with creamy white stigmas.

1.50 10.00

GOLD BOUND. A fine double, pure white, enriched by a creamy glow from the gold banded center.

1.50 10.00

HERCULE. Double, clear lilac, blue.

1.50 10.00

ISO-NO-NAMI. Double soft blue, silvery veins.

1.50 10.00

IPHIGENIE. Deep chinese lilac.

1.50 10.00

KOKI-NO-IRO (Purple and Gold). Enormous double flowers often eight inches across, early and free blooming; one of the very best varieties. Color, rich violet-purple with white petaloids tipped violet. The conspicuous golden throat extends outward in sharp bluish white rays.

1.50 10.00

MELPOMENE. Double soft blue distinctly veined with dark blue.

1.50 10.00

MONJI-NO-TAKI. Bright rose with deeper markings.

1.50 10.00

NEPTUNE. 3 petal strong growing variety resembling mahogany in color.

1.50 10.00

NEREIDE. Double beautiful indigo-blue.

1.50 10.00

PATROCLE. Single, superb dark violet.

1.50 10.00

PROSPERINE. Single bright rich blue produced by sanding of velvety blue on white.

1.50 10.00

EARLY orders receive the best care. By placing your list with us now, we will be glad to make reservations for you and you get the varieties you want promptly. Thanks for your cooperation.



JOSEPH F. MARTIN

Jap Iris, Uchiu

JAP IRIS (Cont'd)

	Per 10	Per 100
REINE DES BULGARES. Deep blue shading with age to light blue with white veins. A very fine and free-growing plant.	1.50	10.00
SKI-NO-RYO. Double blue and white.	1.50	10.00
UCHIU. (Universe). Beautiful, six-petaled flowers of largest size on the longest stems. Color, cerulean blue with golden center and white. This variety covers the longest blooming season and is altogether one of the most attractive.	1.50	10.00
VICTORY. Sandy white on blue ground.	1.50	10.00

**IRIS KAEMPFER
WARIA HOTEI**

Laughing Doll

This Iris in our belief is the greatest Japanese Iris in cultivation today. Years ago it was imported to this country in a large selection of varieties from Japan. The flowers are so striking and distinct that they were held back in stock by the importer until a reasonable propagation was attained. We are very fortunate in being able to offer this plant this year. We are sure that if you will buy a few plants at this time you will be in the market for quantities in the future. The flowers are large lavender blue with primrose blotches, surrounded by light blue halo and radiating into dark veins petaloid stigmas dark blue. Six extra large petals to the flower. 40 cents each; \$3.50 per ten.

Iris Siberica *Siberian Iris*

SIBERICA. The flowers resembling the Spanish and English Iris. These make a bright show in the garden and are excellent for cutting. They can be cut when in bud and will fully develop in water, blooming from latter part of May until end of June, purplish-blue flowers. 3 ft.

	Per 10	Per 100
SIBERICA ALBA. Pure white. 3 feet.	.85	5.00
EMPEROR. Dark violet blue. This variety develops the largest blooms of any of the Siberian group.	1.50	10.00
PERRY'S BLUE. Sky, china blue and white. The blue effect of the planting finds many admirers.	1.50	10.00
PSEUDACORUS. 36 to 48 inches. This is a particularly valuable species for several reasons. First, it is a rich yellow color, which color is entirely lacking in Siberian Iris and it is especially attractive mixed with the Siberians. Second, it will grow in marsh or swampy land, even with 2 or 3 inches of water over it, and makes a pretty picture in shallow water or along the water's edge. Third, it is excellent for naturalizing, as it will take care of itself in the most rugged surroundings, self-sowing and perpetuating itself. It is an English species. It will also grow in dry soil.	1.00	7.00



Iris Siberica

OUR list represents only field-grown hardy plants of worthy varieties. Each one will grow and give you good results if given proper growing conditions. We suggest that you observe the natural traits of each plant in choosing its location in your planting.

On page forty-one we are listing all desirable plants for rock gardens.

Iris Germanica *German Iris*

THE Iris is one of the finest of our hardy plants. Not particular as to soil or location, but asking only that the sun shine on it. It throws up blooms that are marvelous in their delicacy of structure and the colorings which are exquisitely dainty are wonderful in their blendings and varieties.

	Per 10	Per 100		Per 10	Per 100
ALCAZAR. Certificate N. H. F., 1909; F. C. C. R. H. S., 1916 S. light, bluish violet; F. deep purple with bronze veined throat Striking flower.	1.00	7.00	MADAME CHOBAYT. This is a most interesting Iris because of its unusual markings. The standards are cream shaded buff and pink, and tinted lilac at the edges, while the falls are white, reticulated violet at the edge. It has a splendid orange beard, is almost universally admired.	1.00	7.00
AMBASSADEUR. S. a fascinating smoky velvety purple color; F. velvety purple-maroon; beards and style yellow. A magnificent and regal flower of great substance. 18 inches.	2.00	15.00	MAD. GAUDICHAU. Standard violet blue. Falls a deep velvety purple. Large flowers of exceptional substance on stalks 3 ft. high. One of the most beautiful.	3.00	20.00
CANDELABRA. Large and striking. Standards light mauve dusted with violet; scapes silvery white. Falls perfectly limp with sharply defined veins converging to a solid blotch of almost black violet at the ends.	1.00	6.00	MEDRANO. This most excellent Iris came from Vilmorin's garden near Paris, and it has both color and quality which approach the newer variety, ALLIES. The standards are red-copper with a slight suggestion of violet and the falls are dark crimson-purple, nearly black, flaked with buff and lavender. We recommend it very highly.	2.00	15.00
CAPRICE. A self-colored flower with standards phlox-purple and falls slightly deeper in color, shading to bluish white at the haft, heavily veined. Blooms of medium size are freely produced on widely-branched stems 20 inches tall. A distinct grape fragrance. None of the so-called "improvements" are as dependable as this good old garden Iris.	1.00	6.00	VIBELUNGEN. S. deep olive-buff; F. velvety petunia-violet with a wide buff border. A dull tan effect that is distinct but lacks character. The plant growth is most vigorous and flowers are borne in profusion on stalks of 30 inches.	1.00	7.00
CHASSEUR. This is the tallest and best yellow Iris originated in France, and we have been hearing endorsements of its color and reliability from all parts of the United States. We are pleased with its ability to withstand very adverse weather conditions.	5.00	40.00	OPERA. An intensely bright violet-red bicolor of distinctive rich tone. S. livid purple; F. velvety, dusky auricula-purple. The erect poise of the standards and the incurved falls give an unfortunate unbalanced style to this otherwise beautiful flower. The growth is moderate to vigorous with high-branched stalks. 33 inches.	1.50	10.00
ISOLINE. Standards lilac-pink; falls deep lilac-pink veined brown at base. Orange beard, splendid size and carriage. One of the newer Irises from France which has become popular due to its immense blooms, which give a rose color effect, but the color is really a lilac which shades toward rose.	1.50	10.00	PALLIDA DALMATICA. One of the best known Irises in all the world. It produces a good sized, light, steel-blue flower on very tall strong stems, which have most excellent foliage. Taller and more vigorous than PRINCESS BEATRICE. Unfortunately there are different varieties bearing this name, but when the true stock is secured it gives satisfaction both with its flower and its splendid growing habit during the entire season.	1.00	7.00
GOLD IMPERIAL. A yellow self of wonderful, bright, clear coloring. S. and F. Empire to lemon-chrome-yellow throughout; beard conspicuous orange. A medium-sized flower of ideal form, borne on a vigorous plant. 36 inches A real yellow Iris, deeper and more uniform in color than Shekinah, and darker than Primrose. Granted an Award of Merit by American Iris Society at a recent meeting of the directors.	4.50	35.00	PRINCESS VICTORIA LOUISE. Soft sulphur yellow. Falls rich plum, bordered cream. 30 inches.	1.00	7.00
JEANNE D'ARC. A delicate sort of good size and form; white with edges partly checked and scapes heavily suffused in violet.	1.00	7.00	PRINCESS BEATRICE. This is the true type of Pallida Dalmatica and still one of the most attractive and satisfactory all-around varieties, with flowers of large size; both standard and falls of a clear lavender blue shading to a pale silvery blue at the base and sweetly scented. It is of strong, vigorous, growth, over three feet high with unusually heavy, glaucous foliage.	1.50	10.00
LENT A. WILLIAMSON. Early. Rated in 1922 by the American Iris Society as the finest Iris in the world. Campanula violet and velvety royal purple. Brilliant gold beard. Massive in growth and flower.	1.00	7.00	QUEEN CATERINA. Pale lavender-violet with orange beard; white haft, veined with bronze. A strong grower.	1.50	10.00
LOHENGRIIN. A rich silvery lilac Iris which shows a delightful pink tone in the early hours of the morning, and also again in the late afternoon. It has splendid stiff stems and is one of the best landscape Irises in the world. 24 to 30 inches high.	1.00	7.00	QUEEN OF MAY. When all the so-called "pinks" are considered, this old, early-flowering Iris is still one of the most charming varieties, especially valuable in mass effect. The arched standards and drooping falls are both soft rose to lizeran-purple, shaded to white at the haft with reticulations of magenta. Growth vigorous, with short and high-branched stalks. 30 inches. Delightfully fragrant.	1.00	7.00
LORELEY. Perfect-shaped flowers, falls of a deep ultra-marine-blue, more or less veined with creamy-white and bordered sulphur-yellow, making a beautiful contrast.	1.00	7.00	SEMINOLE. S. bright amparo-purple; F. velvety raisin-purple; beard conspicuous, bright orange. This attractive flower, with fine conic standards and drooping to straight-hanging falls, is one of the brightest of all Irises in the garden. A vigorous and reliable plant that blooms freely on well-branched stalks. 30 inches. For general planting, we regard Seminole as the best of all the "red-purples."	1.50	10.00
LORD OF JUNE. A very handsome Iris of largest size that is one of the most effective show varieties either in the garden or as a cut stalk. S. very broad and floppy, light chicory-blue; F. drooping, lavender-violet; haft marked with widely spaced reticulations of old gold. Stalks low and widely branched, with several flowers open. 36 inches.	2.00	15.00	SHEKINAH. A delightful shade of pale yellow shading to amber in the throat, with a lemon colored beard. This is a true yellow Pallida, and the first of the type — a most uncommon and very handsome variety.	1.50	10.00
MME. CHEREAU. Standards and falls pure white, daintily edged with light blue.	.85	5.00			



Lilium Candidum

LILIUM

AURATUM (Gold-Banded Japan Lily). Undoubtedly one of the finest. Its large graceful, fragrant flowers are composed of six petals of a delicate ivory-white color, thickly studded with chocolate-crimson spots and striped through the center a golden yellow; 3 to 5 feet. July to September. 2.00 18.00

CANDIDUM (Madonna or Annunciation Lily). This is the old-fashioned garden Lily, and one of the most beautiful. Ready in July only. We offer Northern France type of bulbs. 2.50 20.00

ELEGANS. Very hardy dwarf lilies, erect flowers of orange and red. Per 10, \$2.00; Per 100, \$15.00.

REGALE, OR MYRIOPHYLLUM. (The Regal Lily.) It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink, with a beautiful shade of canary yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the Jasmine, and lacking the heavy, oppressive odor of most lilies. Blooms out-of-doors early in July. Strong bulbs. Flowering size. Per 10, \$2.50; Per 100, \$20.00.

	Per 10	Per 100
SUPERBUM (Swamp Lily). Graceful stems, 5 to 6 feet, terminating in a pyramid of bright orange-crimson flowers. 1.50 10.00		
TIGRINUM, VAR. SPLENDENS . By far the best form of Tiger Lily we have had. It is taller, with handsome, large flowers and a much healthier plant. 1.50 10.00		
UMBELLATUM-ERECTUM . Red, flushed orange tall and vigorous. 2.00 15.00		
RUBRUM . Beautiful small lily. The color varies from deep rose to white. 2.00 18.00		

LILY-OF-THE-VALLEY**Convallaria**

This is often starved and neglected and relegated to some poor corner, but this popular and fragrant subject, like most other plants, repays for being well treated, and if the bed is given a liberal top-dressing of well decayed manure in fall or early spring it will show the effect by increased size, number and vigor of the flowers. The stock we offer is strong clumps, especially suited for out-door planting, which should be done before the end of April. 2.00 15.00

LINUM**FLAX**

PERENNE BLUE . May-August Pearly blue flowers. A graceful, hardy perennial. 1.00 7.00	
ALBA . Milk white flowers, very decorative. 1.00 7.00	
LEWISII . Fine green foliage with small yellow flowers. 1.00 7.00	
NARBONNENSE . Forms a spreading clump of attractive foliage with a profusion of azure-blue flowers with white eye. Very handsome for the rockery. 1.00 7.00	

LOBELIA

CARDINALIS (Cardinal Flower). Rich, fiery cardinal flowers. Strong plants, often producing ten to eighteen spikes. 24 to 30 inches long. 1.50 10.00	
SYPHILTICA . Blue. 3 feet. August-September. 1.50 10.00	



Lilium Speciosum Rubrum



Lilium Auratum

Regale Lily, is the best garden lily either for out of door or for summer cutting.



Lupine
Polyphyllus

LATHYRUS

Everlasting Pea

	Per 10	Per 100
LATIFOLIUS. These Everlasting Peas are but little known in this country, but are great favorites in England. They are extremely showy and fine. Charming climbers for covering trellises, arbors, etc.	1.00	7.00
ALBA. Pure White.	1.00	7.00
PINK BEAUTY. Large racemes of pleasing deep rose flowers.	1.00	7.00
RED. The well-known red Everlasting Pea.	1.00	7.00
WHITE PEARL. A great improvement on the older white variety, the stems giving from 12 to 15 flowers each.	1.00	7.00

LAVENDULA

Lavender

VERA. The true Sweet Lavender, growing 18 inches high, wonderfully fragrant, blue flowers blooming July and August.	1.50	10.00
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LEONTOPODIUM

Edelweiss

ALPINUM. A well known Alpine with pretty white leaves and small yellow flowers which are surrounded by starlike heads of leaves, clothed with a dense white, woolly substance. A splendid plant for the rock garden	1.50	12.00
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LUPINUS

Effective plants producing large spikes of flowers, blooming in May and June.		
POLYPHYLLUS. Blue, Rose and White separate.	1.50	10.00



This Field of Regal Lilies Made Up Well Last Summer Into Extra Nice Bulbs.

LIATRIS**Blazing Star or Gayfeather**

	Per 10	Per 100
LYCOSTACHYA. A perfectly hardy perennial of luxuriant growth, doing well in any kind of soil, poor or rich, moist or dry, producing richly colored purple flowers on stout stalks 6 feet high in graceful spikes one foot long. In bloom during July and August. First rate cut flowers.	1.50	10.00
SCARIOZA. This is a much showier form than is usually sent out for this plant. It has large, showy, purple heads and flowers much later than the others. A very imposing form. September. Four to five feet.	1.50	10.00
SPICATA. Purple flowers on spike 6 to 15 ins. long. 2 to 3 ft. July and September.	1.50	10.00

LYCHNIS**Campion**

A FINE old-fashioned flower, bearing large heads of brilliantly colored flowers, that liven up the border during Summer and early Autumn.

ALPINA. Dwarf, rose-pink.	1.00	7.00
CHALCEDONICA. Heads of vivid scarlet flowers, blooming a long time. One of the brightest plants in the hardy border. 3 feet.	1.00	7.00
VISCARIA SPLENDENS. Brilliant red.	1.50	10.00
VISCARIA FLORE PLENO. A fine double variety; fine for cutting.	2.00	15.00

LYSIMACHIA**Loosestrife**

NUMMULARIA. (Creeping Jenny or Moneywort.) Valuable for planting under trees or shrubs where grass will not grow.	1.00	7.00
CILIATA (Lookup). Useful plant for wet spot, yellow flowers.	1.50	10.00

LYTHRUM**Purple Loosestrife**

SUPERBUM ROSEUM. Very showy; splendid for banks of streams and ponds.	1.00	7.00
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MATRICARIA**Feverfew**

CAPENSIS ALBA. Small daisy-like white flowers. Very pretty fernlike foliage. A splendid bedding plant, 15 inches high.	1.00	7.00
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MERTENSIA

VIRGINICA (Virginia Bluebells). A foot or two high with dark green foliage, and loose panicles of rich blue-purple flowers in early spring.	1.50	10.00
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MONARDA OR BERGAMOT**Oswego Tea**

SHOWY plants growing from 2 to 3 feet high, succeeding in any soil or position, with aromatic foliage, and producing their bright flowers during July and August.

DIDYMA, CAMBRIDGE SCARLET. Brilliant crimson scarlet.	1.00	7.00
DIDYMA ROSEA. A variety of the preceding, with rose colored flowers. 3 feet. June-August.	1.00	7.00
DIDYMA VIOLACEA PURPUREA. Deep amaranth red flowers. 3 feet. June-August.	1.00	7.00

MYOSOTIS**Forget-Me-Not**

NEARLY everyone is familiar with the Forget-me-not which makes such beautiful pictures in the garden in early Spring. They are charming in border, rock garden, or by the waterside. They all like shade and a fair amount of moisture; use them freely as a ground cover for your Tulip or other bulb beds.

We find Pentstemon very attractive when cut with long stems for use either for baskets or vases.

	Per 10	Per 100
PALUSTRIS SEMPERFLORENS. Large, rich blue flowers with yellow eye; a charming plant for damp places and a more profuse bloomer than the alpestris.	1.00	7.00
PALUSTRIS, PINK BEAUTY. Pink-flowered form of the above; very fine Forget-me-not.	1.00	7.00
WELWITSCHII. Grand rock plant. Prostrate. Pale blue.	1.50	10.00

NEPETA**Ground Ivy or Catmint**

MUSINI. An excellent plant for any position, but especially useful in the rock garden. Of dwarf, compact habit, producing masses of bloom of a beautiful shade of lavender. 1 to 1 1-2 feet.	1.50	10.00
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OENOTHERA**Evening Primrose**

ELEGANT for a sunny position in the border or on the rockery, blooming all summer.

CLUTEL. Introduced by Watkins and Simpson 1928. A handsome new evening Primrose. From a large rosette of basic leaves it throws up a stout centric stalk 4 feet high, bears a great profusion of large soft yellow flowers. It is especially effective in large masses.	2.00	15.00
FRASERI. 1 foot. June to October. Flowers large, pale yellow.	1.00	7.00
MISSOURIENSIS. 10 inches. June to August. A low species with prostrate ascending branches profuse bloomer. Solitary flowers often 4 inches across. Good for rock garden or border.	1.50	10.00
YOUNGI. 2 feet. June to August. A strong, stocky, large-leaved plant with firm, shiny foliage; numerous bright lemon-yellow flowers.	1.00	7.00

OXYTROPIS

CAMPESTRIS. Pale yellow flowers in small heads. Neat Alpine.	1.50	10.00
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PACHYSANDRA

TERMINALIS. One of the best ground covering plants, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely indented foliage is practically evergreen; thick, rubbery, lustrous dark green. It bears small spikes of light colored flowers during May and June.	1.50	10.00
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PENSTEMON**Beard-Tongue**

FEW genera among the popular hardy perennials afford a greater number that are so attractive. Their natural gracefulness, variety of colors, and great abundance of flowers make them useful in many places. Though hardy as a rule, too much frost with an excess of moisture in winter seems to be fatal to most of this genus.

CORAL GEM. Coral pink large spikes, makes up beautiful with Delph. Belladonna or hardy Asters.	1.50	10.00
CAMPANULATUS PURPUREA. Graceful spikes of purplish flowers.	1.50	10.00
LAEVIGATUS. Pretty, pure white flowers, slender habit.	1.50	10.00
CYANANTHUS BRANDEGEL. Dwarf form, deep blue.	1.50	10.00
OVATUS. Blue. Rather small but very pretty. Quite hardy.	1.50	10.00
PUBESCENS. Stems 24 inches high, covered with violet flowers.	1.50	10.00
SHELL PINK. Flower spikes 30" high. Quite large flowers. Makes up fine with most any cut flower.	1.50	10.00
UNILATERALIS. A very fine June-flowering variety producing 6 to 10 erect spikes 24 to 30 inches long, covered from top to bottom with opalescent blue flowers. A beautiful border plant and splendid cut flower, lasting for several days in water.	1.50	10.00

Peonies

WE grow Peonies on a very large scale. Throughout the Fall season we market in large quantities. Through experience we find that there are always beds that are not finished up in the Fall, and for this purpose we are listing the following varieties for planting this Spring.



Karl Rosenfield



Mons Jules Elie

FELIX CROISSE. Medium bright red, fragrant. Per 10, \$4.00; Per 100, \$30.00.

GERMAINE BIGOT. Very large, midseason, to late, a royal variety, most excellent pink. Per 10, \$3.00; Per 100, \$25.00.

KARL ROSENFELD. A better Peony and a better quality of red than any of the older red sorts; pure, rich, intense crimson. Of half-rose type, it makes and remains a splendid full, rounded flower of excellent substance, equally valuable as cut flowers or garden glow. Per 10, \$5.00; Per 100, \$40.00.

MARIE JACQUIN. The water-lily peony. Semi-double, cup-shaped white flowers, borne in great profusion. Beautiful landscape variety. Midseason. Per 10, \$4.00; Per 100, \$30.00.

MME. DUCEL. Pink, of medium shade with silvery reflex. Bomb type, resembling the famous Mons. Jules Elie. Very desirable. Per 10, \$3.50; Per 100 \$30.00.

MONS. JULES ELIE. Bomb type; early midseason. King of all Peonies. Color an ideal glossy lilac-pink, shading to a deeper rose at the base, the entire flower overlaid with a sheen of silver. Ideal for cut flowers. Per 10, \$3.50; Per 100, \$30.00.

Phlox

THESE beautiful hardy border plants are among the most effective things in the garden during the late Summer and Fall months. The varieties have been much improved during the past few years, both as to color and size of bloom. To be at their best, they require soil which has been deeply enriched and plenty of water during the blooming period. It is also well to remember that they should never be allowed to go to seed and should be divided every four years, or they will become small and in not a few cases, change their color. If attacked by red spider, spray with lime and sulphur.

We have tried to confine our list to the very best of the numerous varieties offered and can safely say there is not a poor variety in the lot.

	Per 10	Per 100		Per 10	Per 100
AFRICA. New. Brilliant carmine-red with blood-red eye. Well shaped flower heads composed of large florets. Good strong stem and not subject to mildew if properly taken care of. One of the best new dark red varieties grown.	1.50	10.00	MRS. MILLY VAN HOBOKEN. An excellent new variety. Very large florets combined in rather loose, large heads. Color bright pink with a slight and delicate mauve suffusion. Strong grower and free-flowering. The general color effect, at a distance, is a fine bright pink.	1.50	10.00
ATHIS. Deep, clear salmon. Very fine. One of the old stand bys.	1.00	7.00	MRS. SCHOLTEN. New dark salmon-pink flowers in enormous pyramidal spikes. A splendid sort of great value. Midseason flowering and of medium height.	1.50	10.00
ANTONIN MERCIÉ. Clear lilac with white eye. Extra large.	1.00	7.00	PANTHEON. The peerless pink. Extra-large, almost flat flowers of salmon-rose.	1.00	7.00
BARON VAN DEDEM. New. A novelty somewhat in the style of Coquelicot, but it produces much larger trusses and flowers; color, glistening scarlet-blood-red.	1.50	10.00	RHEINLANDER. Beautiful salmon-pink with claret red eye. Individual trusses of immense size.	1.00	7.00
BARON VON HECHEREN. New. Beautiful red distinct.	1.50	10.00	RIJNSTROOM. An improved form of the popular variety Pantheon; fine for massing; of a Paul Neyron rose color. 2 1-2 feet.	1.00	7.00
BAUR'S PINK. Brilliant deep pink.	1.00	7.00	R. P. STRUTHERS. Rosy carmine shaded orange scarlet.	1.00	7.00
BEACON. Brilliant cherry-red.	1.50	10.00	SIR EDWIN LANDSEER. Very bright crimson; large trusses and vigorous, healthy growth.	1.50	10.00
B. COMPTE. Rich satiny amaranth.	1.50	10.00	SPECIAL FRENCH. Glowing pink. Mammoth trusses.	1.00	7.00
BRIDESMAID. Pure white with large crimson-carmine eye.	1.00	7.00	THOR. A beautiful lively shade of deep salmon-pink, suffused and overlaid with a scarlet glow; has aniline-red eye.	1.00	7.00
BRILLIANT. New. Deep rose, dark eye. Extra fine.	1.50	10.00	VON LASSBURG. Splendid pure white; very large trusses; free bloomer; medium early.	1.00	7.00
COMMANDER. Beautiful. New. Crimson-red with darker eye. The most striking of Phlox	1.50	12.00	VON HOCIBERG. New. Brilliant red.	1.50	10.00
CREPESCULE. Light blue and white.	1.00	7.00			
DEUTSCHLAND. New. Brilliant red.	1.50	10.00			
ECLAIREUR. Brilliant rosy Magenta, white eye.	1.00	7.00			
ENCHANTRESS. Bright salmon pink, dark eye. Vigorous grower.	1.50	10.00			
FUERBRAND. (Fireglow). New. Brilliant orange-scarlet sometimes almost vermillion. Flowers very freely and blooms are produced in quantity throughout the entire season. Of medium height, and one of the most brilliant Phlox known.	1.50	10.00			
JULES SANDEAU. Large, fine, very free flowering; pure watermelon-pink; rapid grower; one of the best varieties in cultivation.	1.50	10.00			
LA VAGUE. An improvement over older varieties of similar color, with immense, conical heads, borne in great profusion. Warm mauve with carmine eye.	1.00	7.00			
MISS LINGARD. Pearly white flower, with delicate pink eye, very remarkable bloomer, producing two or three crops of flowers during the season; indispensable as a cut flower for florists' use.	1.50	10.00			
MME. P. LANGIER. Bright red, vermillion center.	1.50	10.00			
MME. PAUL DUTRIE. Soft pink.	1.00	7.00			
MME. RUYS. One of the best white dwarf Phlox.	1.50	10.00			
M. FRENCH. New. Bright vermillion scarlet.	1.50	10.00			

PHLOX SUBULATA

Moss Pinks

AN EARLY Spring-flowering type with pretty mosslike, evergreen foliage, which, during the flowering season, in April and May, is hidden under the masses of bloom. An excellent plant for the rockery, the border, and invaluable for carpeting the ground or covering graves.

	Per 10	Per 100
AMOENA. A low species, native to dry hills and barrens. Flowers pink. Very showy.	1.00	7.00
ALBA. Pure white.	1.00	7.00
FAIRY. Pale blue with dark purple eye; a beautiful little rock plant. Same habit as Vivid. Slow growing, neat in habit, with compact foliage, not spreading like Lilacina.	1.00	7.00
LILACINA. Light lilac.	1.00	7.00
ROSEA. Rose-pink. Fine for covering banks; thrives in hot, dry situations, and blooms profusely.	1.00	7.00

Our Phlox when dug contain long root system. They are of proper size and make fine showing the first season after planting.

PHLOX (Cont'd)

	Per 10	Per 100
VIVID. Bright pink with fiery red eye. We would say that this is the finest free-flowering dwarf Phlox in existence.	2.00	15.00
G. F. WILSON. Soft lavender.	1.50	10.00

PHYSALIS**Japanese Lantern**

FRANCHETI. This wonderfully decorative plant is easy to grow and multiplies rapidly. A big money maker that will yield more than any other outside crop. The fruits are becoming more popular each year for decorative purposes in the early fall and winter. The color of these lantern fruits is orange-vermilion and are ever-lasting after drying. Single plants produce as many as thirty lanterns that sell readily in any flower market. They are beautiful for home decoration, being an ever-lasting.	1.00	7.00
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PHYSOSTEGIA**False Dragonhead**

VIRGINIANA. Flowers about an inch long, varying in color from purplish red to pink and white.	1.00	7.00
ALBA. Pure white; very fine.	1.00	7.00
GIGANTEA. New dwarf pink.	1.00	7.00
VIRGINICA, VIVID. Dwarf compact heavy bloomer flowers deep pink. Very good for cutting flowers, lasting well in water.	1.50	10.00

PHYTEUMA

SCHEUCHZERI. Bell-worts. Very neat species, violet flowers in heads, 12" high.	1.50	10.00
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PLATYCODON**Balloon Flower**

GRANDIFLORA. Blue, 18 inches. June to October. Large, showy, deep blue flowers. Good for rock garden and border.	1.00	7.00
GRANDIFLORA ALBA. White-flowered form of the above.	1.00	7.00
MARIESI. Blue, 12 to 15 inches. July until late September. A beautiful dwarf species, with broad, thick foliage and large, deep violet-blue flowers.	1.00	7.00

**Physalis Francheti****Physostegia**

	Per 10	Per 100
MARIESI ALBA. White-flowered form of the above.	1.00	7.00
GRANDIFLORA NANA ALBUM.	1.00	7.00
MARIESI MAJOR. Large blue.	1.00	7.00

PLUMBAGO**Leadwort**

CARPENTAE. One of the most desirable border and rock plants. It is of dwarf, spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during the summer and fall.	1.50	10.00
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POPPIES, ORIENTAL

THESE poppies are the regal representatives of the popular Papaver family. For a gorgeous display of rich and brilliant coloring nothing equals them during their period of flowering in May and June. Whether planted singly or in masses their large flowers and freedom of bloom render them conspicuous in any position. They are of the easiest culture; almost any kind of soil suits them, but they do best in deep, rich loam. Set the plants out in the Fall or early spring before the first of May, give them water occasionally during dry spells in the early part of the season. Mulch with stable litter in the Fall; and they will increase in size and floriferousness for several years.

BRACTEATUM. Like P. orientale, but with extremely large, blood-red flowers, not spotted, shaded orange.	1.50	10.00
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Liatris is Becoming Very Popular as a Florist's Cut Flower and the Demand Is Now Active



Oriental Poppies

POPPIES, ORIENTAL Continued

	Per 10	Per 100
ORIENTALE (Oriental Poppy). Tremendous scarlet, cup-shaped blooms of brightest crimson-scarlet, with large, purplish black blotches at base of petals, creating a wonderful contrast when bloom is fully open. Clumps of these throughout the border add a brilliancy that no other flower can provide.	1.50	10.00
MRS. PERRY . Orange Apricot distinct. 3 ft. June-September.	1.00	10.00

PAPAVER NUDICAULE

Iceland Poppy

THE plant is of neat habit, forming a tuft of bright green fern-like foliage, from which spring, throughout the entire season, a profusion of slender, leafless stems 1 foot high, each graced with charming cup-shaped flowers.

Orange	1.50	10.00
White.	1.50	10.00
Yellow	1.50	10.00
GIBSON'S GIANT . Extra large orange flowers.	1.50	12.00
NUDICAULE AURANTIACA COCCINEA	1.50	10.00
PAPAVER ALPINUM . Like a small and more delicate Iceland Poppy having flowers of white, pink, orange or yellow, and often delicately fringed. Beautiful foliage they are a novelty in any rock garden.	1.50	10.00
Red	1.50	10.00
Rose	1.50	10.00
White	1.50	10.00
Yellow	1.50	10.00

POLEMONIUM

Jacob's Ladder

CAERULEUM . (Greek Valerian). 2 feet. Beautiful sky-blue spikes. April-July. Foliage fern-like.	1.00	7.00
COERULEUM ALBUM . Similar to preceeding but white. 1 1-2 ft. May-July.	1.00	7.00

RICHARDSONI . Very good. Large bright blue flowers. Dwarf	Per 10	Per 100
	1.00	7.00
PRIMA DONNA . 24 inches high. Ereet stems with medium blue flowers desirable in a formal garden.	1.00	7.00

PRIMULA

Primrose

VERIS (Cowslip; Pansy-wort). Plant in rich, well-drained soil, in the border or in the rockery. Flowers vary from a clear yellow to pleasing shades of yellow and maroon.	1.50	10.00
VULGARIS . The old English Primrose with pale yellow flowers.	1.50	10.00

PYRETHRUM

Painted Daisies

ATROSANGUINEUM . Seeds selected from dark crimson varieties.	1.00	7.00
ROSEUM HYBRIDUM . Very hardy and one of the choicest of the perennials. The attractive fernlike foliage is interesting when the plants are not in bloom and the flowers ranging from pure white through shades of pink to deep crimson are beautiful on the plant or as cut flowers. They flower the last of May and through June.	1.00	7.00
ULIGINOSUM (Giant Daisy). White flowers, carried on long, erect stems Good for cutting. 3 ft.	1.00	7.00

RANUNCULUS

Buttercup

Well-known double yellow buttercup, effective either as a cut flower or grouped in the hardy borders.

ACRIS FL. PL. A pretty double flowering bright golden yellow buttercup blooming in great abundance in May and June, 24 inches. Good for cutting.	1.50	10.00
REPENS FL. PL. A pretty, double-flowering bright golden yellow buttercup; flowers in May and June.	1.50	10.00

RUDBECKIA

FULGIDA . Orange coneflower.	1.00	7.00
NEWMANII (Black Eyed Susan.) Dark orange flowers with deep purple cone, borne on stiff wiry stems three feet high. July to September.	1.00	7.00
LACINIATA . (Golden Glow). Showy, tall border species, large yellow flowers.	1.00	7.00

SALVIA

Meadow Sage

AZUREA . A Rocky Mountain species. Grows 3 to 4 feet high, producing during August and September pretty sky-blue flowers in the greatest profusion.	1.00	7.00
PITCHERI . Thrives in any situation. Flowers are deep indigo-blue borne on stalks 3 to 4 feet high from August to October.	1.50	10.00

SAPONARIA

OFFICINALIS (Common Soapwort; Bouncing Bet). Will grow in poorest soil.	1.00	7.00
OCYMOIDES . Trailing vine, which is completely covered with rosy pink flowers from May to July. Fine for rockery.	1.00	7.00

Papaver Nudicaule Is An Attractive Rockery Plant That Blooms a Long Time

SAXIFRAGA**Megasea**

CORDIFOLIA. These will thrive in any kind of soil and in any position. Grow about 1 foot high, and are admirable for the front of the border or shrubbery, forming masses of handsome, broad, deep green foliage, which alone renders them useful; flowers appear very early in the Spring. Fine among rocks or ledges.

Per	Per
10	100

2.00	15.00
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SHASTA DAISY

(See Chrysanthemum Maximum for complete list.)

SCABIOSA**Pincushion Flower**

HANDSOME border plants, succeeding in any ordinary soil if well drained, in a sunny location, and should be grown in every garden where cut flowers are wanted; they last a long time when picked and placed in water.

Per	Per
10	100

CAUCASICA (Blue Bonnet) A soft and charming shade of lavender; commences to bloom in June, throwing stems 18 to 24 inches high until September.

1.50	10.00
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CAUCASICA ALBA (White Bonnet). The white form of the preceding.

1.50	10.00
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JOSEPH F. MARTIN

PERENNIAL PLANTS are rapidly coming to the front for home and garden beautification. Most of them are easy to raise. They grow up year after year and about all they need is a little thinning, cultivation and fertilization from time to time.

Here we are featuring a basket containing *Lilium Superbum* and *Bocconia Cordata*.

SEDUM**Stonecrop**

MEMBERS of this family have thick glaucous leaves. Their native habitat is the dry rocky mountainsides of Europe and America. They are very hardy, drought resisting and like the broad sunlight in most instances, but most varieties will thrive in a limited amount of shade. The dwarfs are excellent in the rock garden and the medium and taller sorts are fine for the perennial border.

	Per 10	Per 100
ACRE. (Wall Pepper; Mossy Stonecrop). A pretty species for rockwork; well known and considerably used.	1.00	7.00
ALBUM. Foliage green. Flowers white. 2 to 3 inches. May-July.	1.00	7.00

	Per 10	Per 100
ALPINATUM. Very pretty rosette-like foliage. Erect 4 inches high.	1.50	10.00
FORSTNIUM. Fuzzy gray foliage. Distinct.	1.50	10.00
GLAUCUM. Bluish-green leaves, on reddish stems. White flowers Very elegant.	1.00	7.00
IBERICUM. Numerous pink or white flowers; coarsely toothed leaves. 6 inches.	1.00	7.00
KAMTSCHATICUM. Orange Stonecrop.	1.00	7.00
OPSINIFOLIA. Foliage light green forming heavy clumps. A good ground cover. Very good for rockery.	1.00	7.00
SARMENTOSUM. (Stringy Stonecrop). More rapid growing than S. acre, but low and spready, its bright yellow flowers making an attractive soft carpet. June, July.	1.00	7.00

USE Perennials for Landscaping, for Summer Floral pieces and for Winter Forcing. They offer a great variety of forms and colors that adapt themselves easily to every floral piece known to the trade.

Spirea Douglasii, *Achillea Perry's White* and *Gypsophila Paniculata* are the flowers used in this bouquet. All of them adapt themselves to sprays, wreaths and baskets just as well as they are used in this vase.



JOSEPH F. MARTIN

Sedums became very popular for the purpose of edging walks and growing between rocks, either sun or semi shady locations.

SEDUM (Cont'd)

	Per 10	Per 100
SIEBOLDII A charming alpine growing in miniature tufts. Glaucons foliage, each leaf being rimmed with a circle of crimson. Very attractive. Extra.	1.50	10.00
SPECTABILE Erect growing mass of rose colored flower heads 18 inches high. August and September.	1.50	10.00
SPECTABILE BRILLIANT Bright red form of the above.	1.50	10.00
SPURIUM COCCINEUM Flowers rosy crimson. 6 inches. July and August. Very good	1.00	7.00
STAHLII Compact growth, with crimson autumn foliage.	1.00	7.00
VARIEGATA SPECTABILIS Like Spectabilis form and flower. Foliage green and yellow. Nice decorative plant.	2.00	15.00

SIDALCEA

Erect-growing, more or less branching plants, producing their showy flowers during June and July. They will succeed in any garden soil in a sunny position.

	Per 10	Per 100
ROSY GEM Pretty, bright rose-colored flowers. 2 to 3 feet.	1.50	10.00
SILPHIUM, PERFOLIATUM Tall habit, angular purple stems, connate foliage, yellow flowers.	1.50	10.00

SPIREA

Goat's Beard; Meadow Sweet

FILIPENDULA (Dropwort). Numerous corymbs of white flowers on stems 15 inches high. June and July; pretty fernlike foliage.	1.50	10.00
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This small basket was made up with Shasta Daisies, Gaillardia, Penstemon Shell Pink and Artemisia Silver King. The strong color of the Gaillardia is emphasized by the gray of the Artemisia, the white and yellow of the Shasta Daisies and the Pink of the Penstemon.

The basket shown herewith is made up with Pentstemon and the improved type of Gaillardia.



Tritoma Pfitzeri

SPIREA (Cont'd)**ULMARIA AUREA FL. PL.**

Per	Per
10	100
1.50	10.00

ULMARIA FLORA PLENA (Meadow Sweet). One of the most useful hardy plants, grows about 3 feet high and produces its double white flowers during June and July.

1.50 10.00

STOKESIA**Stoke's Aster**

CYANEA. A fine hardy plant of the Aster family. Twelve to eighteen inches high, and very thrifty. Rich green leaves, the flowers of a wonderful shade of azure blue, the petals finely divided, good for cutting, August.

1.50 10.00

CYANEA ALBA. White flowers.

1.50 10.00

STATICE**Sea Lavender**

Per	Per
10	100

LATIFOLIA. Grows 15 to 18 inches high with tufts or clumps of thick, leathery foliage and immense panicles of delicate blue-flowers. Individual flowers very minute, similar in form to the Forget-me-not, but made into heads 18 inches or more across.

1.50 10.00

THALICTRUM**Meadow Rue**

ADIANTIFOLIUM. Leaves resemble Maidenhair fern. Yellow, 1 ft. June-July.

1.50 10.00

AQUILEGIFOLIUM. Pure white, 1 to 3 feet May-July.

1.50 10.00

DELAVAYI. Handsome species. Purplish stems and pale purple flowers.

1.50 10.00

FLAVUM. Common yellow variety, 2 to 4 ft. Flowers in June.

1.50 10.00

GLAUCUM. Fine cut glaucous foliage. Brown-yellow flowers in June, 3 ft.

1.50 10.00

THYMUS

ALBUS. Pure white flowers.

1.50 10.00

CITRIODORUS. Foliage has strong lemon fragrance. Excellent for rock garden 4 inches.

1.50 10.00

COCCINEUS. Bright red. The most effective variety.

1.50 10.00

LANUGINOSUS (Wolly Thyme). A species of Thyme with small, roundish leaves. It is a desirable plant for edgings or in rockwork.

1.50 10.00

SERPILLUM. (Wild Thyme). Creeping habit, hairy foliage, purple flowers. A beautiful indigenous plant for growing in semi-wild places, on grass etc. Foliage strongly scented.

1.50 10.00

VULGARIS. Grown as a sweet herb; flowers small, lilac or purplish, in terminal, interrupted spikes; foliage very fragrant, June-July; height 6 inch.

1.50 10.00

TRADESCANTIA**Spiderwort**

VIRGINIANA. Produces a succession of blue flowers all summer; height 2 ft.

1.00 7.00

ALBA. A white-flowered form.

1.00 7.00

TRITOMA**Red Hot Poker**

PFITZERI. Rich orange-scarlet blooms borne on stems 3 feet high, very attractive for mass planting or singly in the border. In bloom from August to October. Succeeds in any garden soil, but responds quickly to liberal feeding. Must be protected in winter.

1.50 10.00



THE charm of an outdoor planting like this helps to make a home interesting and inviting. By choosing plants with a long blooming season and providing a succession of bloom, the beauty of the planting is maintained.

Statice Latifolia producing large sprays of lavender flowers beautiful when used as a filler with pink flowers.

TRILLIUM**Wood Lily or Wake Robin**

ERECTUM. The purple Trillium. A beautiful flower for naturalizing. Blooms in May. 1.50 10.00
GRANDIFLORUM. Excellent for shady position in the hardy border. Large pure white flowers in early spring. 1.00 7.00

TROLLIUS**Globe Flower**

EUROPEATIS. Grown from seed. Colors ranging from lemon yellow to orange. 1.50 10.00

TUNICA

SAXIFRAGA. Has small pink flowers in the greatest profusion. Nice for the low border or for rockwork; blooms profusely. 1.00 7.00

VALERIANA**Valerian; Garden Heliotrope**

COCCINEA. Showy heads of old rose flowers. June to October. 2 feet. 1.00 7.00
COCCINEA ALBA. White form of the above. 1.00 7.00
OFFICINALIS (Hardy Garden Heliotrope). Produces showy heads of rose-tinted white flowers during June and July with delicious, strong heliotrope odor, 3 to 4 feet. 1.00 7.00

VERBASCUM

HYBRIDUM, MISS WILLMOTT. The large flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. A lovely white variety. 1.50 10.00

VERONICA**Speedwell**

A VERY interesting family of plants that form excellent subjects for the hardy border and rockery. They will thrive in a rich, well-drained soil in an open situation in full sun.

AMETHYSTINA. Short spikes of amethyst-blue flowers; a slender species; height 8-10 inch. 1.00 7.00
ELEGANS. A nice erect growing variety, 12 inches; big flowers. Pink, July. 1.00 7.00
GENTIANOIDES. Beautiful variety with spikes of large flowers, palest blue edged deep blue, in June and July. 1 foot. 1.00 7.00
INCANA. Deep blue flowers with silvery foliage. 1 foot. July-August. 1.50 10.00
LONGIFOLIA SUBSESSILIS. A delightful 2-foot border plant with attractive foliage of distinct character, a roughened bronze green. Flowers are borne abundantly during July and August in long compact spikes. Deep blue. 1.50 10.00
PRENZA. A dwarf upright variety 8 to 10 inches with heavenly blue flowers. Very nice in border or rock garden. 1.50 10.00
PROSTRATA. Dwarf, close growing species, sheets of brilliant blue. 1.50 10.00
RUPESTRIS. Fine carpet plant. Sheets of brilliant blue. 1.50 10.00
RUPESTRIS NANA. Prostrate and creeping, forming a dark green carpet of shiny foliage which is covered with deep Gentian blue flowers in late April and early May; 1 inch high; one of the best early blue rock plants known. 1.50 10.00
SAXATILIS. Pretty for rockery, bright blue flowers, spreading habit. 1.50 10.00

Viola Jersey Gem, is still the outstanding Viola for bedding purposes.

TEUCRIUM CHAMAEDRYAS. Neat and distinct species, 8 inches high. Flowers silvery rose. 1.50 10.00

TEUCRIUM "ROYAL BLUE." Gentian blue. One of the prettiest and brightest of blue flowers, pleasing foliage. Flowers during May and June. A lovely plant for the rockery or border; height 1 ft. 1.50 10.00

TEUCRIUM RUPESTRIS ROSEA. Fine border or rock plant. Pink flowers. 1.50 10.00

TEUCRIUM RUPESTRIS TREHANII. With yellow foliage and blue flowers. 1.50 10.00

VINCA**Periwinkle or Trailing Myrtle**

MINOR. A trailing, evergreen plant, used extensively for carpeting the ground under shrubs or trees or on graves where it is too shady for grass or other plants to thrive. Strong, nursery-grown clumps. 1.00 7.00

VIOLA**Tufted Pansies**

THE improved form of Viola Cornuta are rapidly growing in favor. They flower continuously for nearly eight months in the year; and while their flowers are not so large as those of the Pansy, their bright colors and floriferousness make them welcome additions to any garden.

ADMIRATION. Rosy purple. 1.00 7.00
BLUE PERFECTION. Deep purplish blue. 1.00 7.00
BOSNIACEA. A superb, everblooming Pansy, makes neat clumps that are covered with reddish violet flowers throughout the summer. A fine, new European introduction. 1.00 7.00
G. WERMIG. A variety of Tufted Pansy, forming clumps which are covered with rich, violet-blue flowers the entire season. 1.50 10.00
JERSEY GEM. Possesses the dwarf habit and continuity of blooming of the true horned Viola (V. cornuta,) and the vigorous, bushy growth and roundish foliage of the finest English bedding varieties. Color is pure, rich violet, and slightly perfumed. It is one of the best introductions in the list of the hardy plants in recent years. Our propagations are from the original stock planted from divisions. 1.50 10.00
LORD NELSON. Rich glowing violet purple, neat habit, continuous bloomer. A fine novelty. 1.00 7.00
LUTEA SPLENDENS. Golden yellow. 1.00 7.00
MAUVE QUEEN. Mauve. Light blue. 1.00 7.00
PAPILIO (The Butterfly Violet). A distinct and attractive variety of the tufted Pansy producing its violet-blue flowers with dark eye from early spring throughout the summer until late in the fall. 1.00 7.00
WHITE PERFECTION. An excellent white. 1.00 7.00

VIOLET

PRINCE OF WALES. The demand with the florist grows for this variety from year to year. This year we have a nice supply of strong field grown clumps that will make an extra good grade for greenhouse planting. 1.50 10.00
DOUBLE RUSSIAN. This is strictly a hardy variety and a gem for a perennial border. Large double deep blue flowers. 2.00 15.00

YUCCA

FILAMENTOSA. The bayonet-like leaves are dark green growing into large clumps suitable for group plantings. Large bulb-shape flowers on extra strong stalks. 1.50 10.00
GLAUCA. Like Yucca Filamentosa except foliage which is a light blue in color. 1.50 10.00
VARIEGATED. This form of Yucca has a central strip of green with an edging of golden yellow. 2.50 20.00

An Opportunity

For Seed Stores and Florist Shops



AS Hardy Plants become more and more popular for home plantings and their many advantages recognized, the demand for them will increase. It has increased in the last few years. People who want to beautify their homes will need them and will demand them from some source. The seed store or flower shop in each community is ideally situated to take care of this demand and give service.

Drop-Shipment Plan

Having devised a plan of drop-shipment service in distributing Perennials, it is now possible for you to place an order for perennial plants and always have them alive and fresh. Your customers should appreciate this service, and it will enable you to give planting advice and suggestions to your customers personally—a service they cannot get from a mail-order nursery.

How to Order

Simply place an order for a few of the leading plants to come along each week or each three days as you wish, ordering 25 of a variety for each shipment. By so doing you get the minimum price (100

rate) and by starting small you will be surprised how rapidly your trade will grow and the demand increase for these hardy plants. You can stop the shipments any time on any item and start other varieties coming in the same way.

What to Handle

There are so many hardy plants that are good that it is hard to answer that question. You would not want to miss Peonies and Iris for fall sales and the descriptions in the list will help you make a choice. Rock Garden plants make a fine specialty that is now popular. Hollyhocks, Delphiniums, Lupines, Phlox, Lilies, Chrysanthemums and a few others are well known. There are many others that will become popular as people know about them.

**IF YOU ARE INTERESTED WRITE
US FOR FURTHER INFORMATION**

Ferns

SINCE Rock Gardens became popular the Hardy Ferns find their places in shady or semi-shady corners. They are always very decorative and the foliage is quite often used in making up vases of flowers for home decorations. From a Florists standpoint they fit in well for sprays or pieces in general.

For the reason that we have had inquiries in the past we have arranged with one of the best collectors, in a good hardy climate to supply the ferns listed herewith. He is an expert in hardy plants. We are sure that the varieties are true to name and the best in their respective types.

ADIANTUM

PEDATUM (Maidenhair Fern) One of the most popular species of hardy sorts. It makes a good pot plant and is at home in almost any good garden soil, where sufficient moisture is near, and drainage as well. It grows naturally in shade and also in the sun. The chief characteristics of this fern are its airy poise and delicate frond texture. 1.50 10.00

ASPIDIUM

GOLDIEANUM. Not rarely attains a height of four feet in its natural home. It is one of the finest Aspidiums. Moist, well drained, loamy soil is good for it. 2.50 20.00

MARGINALE. Quite common on rocky hillside. Its large, light green fronds have a bluish tinge and are very durable, cut specimens will keep a long time. A valuable fern for the rocky or shaded slopes, or in fact for any place where it may be grown. 1.50 10.00

SPINULOSUM DILATATUM. This is similar to Spinulosum but has broader fronds. When grown in rich, moist situations it attains a height of two and a half feet. 1.50 10.00

CYSTOPTERIS

BULBIFERA. (Bladder Fern). Its fronds are not rarely two feet long, but quite narrow. They are widest at the bottom, and taper to a narrow point at the top. Exceptionally useful on damp, rocky banks. A most interesting fern. 1.50 10.00

OSMUNDIA

CINNAMONEA. (Cinnamon Fern). 1.50 12.00
REGALIS. (Royal Fern Buckthorn Brake) 1.50 12.00

ONOCLEA

STRUTHIOPTERIS (Ostrich Fern) One of the most stately and one of the best for cultivation. Not rarely over four feet high, with handsome, dark green fronds growing in a circle, forming in outline a handsome vase. It is not evergreen, but lasts until frost kills the fronds. It likes to be shaded a part of the day and will stand considerable moisture. 1.50 10.00

PHEGopteris

CLIFF BRAKE DRUOPTERIS. (Beech Fern). Has triangular fronds three to five inches wide, once or twice divided. A delicate and pretty fern which reaches a height of one foot in moist, rich shaded places, often near a mountain brook. It is benefited by adding a little leaf mold to the soil. Plant eight inches apart for permanent bed. 1.50 10.00

POLYPODIODES. Five to eight inches high. A very delicate little fern which will grow in rockwork of level culture in partial shade. 1.50 10.00

POLYSTICHUM

BRAUNII (Shield Fern). Comes from the shaded brooksides of the higher mountains of New England. A very handsome Fern, though not so common as most of the hardy sorts. 2.50 20.00

POLYPODIUM

VULGARE. A fine evergreen fern for rockwork in shade. 1.50 10.00

Plants Recommended for **Rock Gardens**

THE following plants are the regular rock garden plants, suitable for all kinds of plantings. These are plants of dwarf and creeping nature. Also the list covers the entire growing season with flowers at different periods. To make a real attractive rock garden this list is very strongly recommended. For corner plantings, where plants up to two feet or more can be planted, we advise you to consult our general list in this book. Also for descriptions of rock garden plants, please see alphabetical order.

Among our long list of plants are those that do best in open sunlight as well as those that love the seclusion of shady nooks. There are the sedums, achilleas and others whose natural habitat is the dry rocky slopes of mountains, hence they will do well



This rock garden was developed with our plants by O. A. Reisch, landscape gardener, at the home of J. L. Thomas, Avalon Street, Alliance, Ohio.

high and dry among the rocks of your garden. The plants for naturalizing shady slopes, those that need open sunlight and ordinary soil and those adapted to waterside planting—these are all mentioned in the descriptions throughout the price list.

It will help you to succeed with all plants if you will choose these varieties whose natural habitat is as near like the location where you are to use them as possible.

As permanent beauty of a rock garden depends largely upon having continuous bloom, the blooming season of each plant should be observed and plants chosen with that in mind, and here again the descriptions will help you.

Achillea Ageratum	Dianthus Her Majesty	Physostegia Virginica Vivid
Achillea Boule De Neige	Dianthus Laura Wilmore	Plumbago Larpenae
Achillea Millefolium Roseum	Dianthus Neglectus	Ranunculus Acris Fl. Pl.
Achillea Perry's White	Dianthus Plumarius	Ranunculus Repens Fl. Pl.
Achillea Tomentosa	Dianthus Plumarius Mrs. Simkins	Saponaria Ocyroides
Aethionema Persicum	Dianthus Plumarius Semperflorens	Sedum Acre
Agrostemma Atro-Sanguinea	Dicentra Eximia	Sedum Alpinatum
Agrostemma Coronaria	Euonymus Vegetus	Sedum Album
Alyssum Argenteum	Festuca Glaucia	Sedum Brilliant
Alyssum Rostratum	Funkia Undulata Variegata	Sedum Farstinum
Alyssum Saxatile Citrinum	Geranium Lancestrivense	Sedum Glaucum
Alyssum Saxatile Compactum	Geum Atro-Sanguinea Double Dark Crimson	Sedum Ibericum
Alyssum Serpyllifolium	Geum Lady Stratheden	Sedum Kamtschaticum
Anchusa Myosotidiflora	Geum Lady Sheldon	Sedum Opsinifolia
Anemone Sylvestris	Gypsophila Repens	Sedum Rubrum
Arabis Alpina	Helianthemum Buttercup	Sedum Sarmentosum
Arabis Alpinus Nana Compacta	Helianthemum Dainty	Sedum Spurius Coccineum
Arabis Mollis	Helianthemum Fireball	Sedum Stahlian
Arenaria Caespitosa	Helianthemum Multabile	Sedum Spectabile
Arenaria Grandiflora	Helianthemum Rhodanthemum Carneum	Sedum Spectabile Brilliant
Arenaria Montana	Helianthemum Rose Queen	Sedum Variegata Spectabilis
Arenaria Verna	Helianthemum The Bride	Stokesia Cyanea
Armeria Lauchiana	Heuchera Sanguinea Splendens	Statice Latifolia
Armeria Maritima	Heuchera Sanguinea Crimson	Thymus Albus
Asters Alpinus Albus Magnificus	Hypericum Repens	Thymus Coccineus
Asters Alpinus Superbus	Iberis Gibraltaria	Thymus Citroidorus
Asters Subcoeruleus	Iberis Sempervirens	Thymus Lanuginosus
Aubretia Bridesmaid	Linum Narbonense	Thymus Serpyllum
Aubretia Bougainvillei	Linum Lewisii	Thymus Vulgaris
Aubretia Coerulea	Lyschimis Ciliata	Tunica Saxifraga
Aubretia Crimson King	Lychnis Viscaria Splendens	Veronica Amethystaria
Aubretia Deltoides	Mysotis Alpestris Compacta	Veronica Elegans
Aubretia Graeca	Mysotis Grandiflora Rosea	Veronica Elegans Rosea
Aubretia Moerheimi	Mysotis Semperflorens	Veronica Incana
Callina Nana	Nepeta Mussini	Veronica Prostrata
Callirhoe Involucrata	Oenothera Youngii	Veronica Rupestris Nana
Campanula Carpatia White	Oxytropis Campestris	Veronica Rupestris
Campanula Carpatia Blue	Pachysandra Terminalis	Veronica Teucrium Rupestris
Campanula Rotundifolia	Papaver Naudicaule Aurantiaca	Veronica Teucrium Heavenly Blue
Campanula Rotundifolia Olympica	Coccinea	Veronica Teucrium Rupestris Rosea
Cerastium Biebersteine	Papaver Naudicaule Alpine Oriental	Veronica Teucrium
Cerastium Tomentosum	Papaver Naudicaule Alpine Red	Veronica Trehanii
Chrysanthemums Maximum Leucan- themum Fl. Pl.	Papaver Naudicaule Alpine Rose	Vinca Minor Coerulea
Daisy Arcticum	Papaver Naudicaule Alpine White	Viola Jersey Gem
Crucifolia Stylosa	Papaver Naudicaule Alpine Yellow	Viola Admiracion
Dianthus Abbottsford	Papaver Naudicaule Gibson Giant	Viola Bosniacea
Dianthus Alpestris	Orange	Viola Blue Perfection
Dianthus Alwoodi Alpinus	Papaver Naudicaule White	Viola Lutea Splendens
Dianthus Alpinus	Papaver Naudicaule Yellow	Viola Lord Nelson
Dianthus Arenarius	Phlox Amoena	Viola Mauve Queen
Dianthus Gruentus	Phlox G. F. Wilson	Viola Papilio
Dianthus Deltoides	Phlox Subulata Alba	Viola White Perfection
Dianthus Dessex Wlitch	Phlox Subulata Fairy	Violets Double Russian
Dianthus Graniticus	Phlox Subulata Lilacina	Violets Prince of Wales
	Phlox Subulata Rosea	

Dwarf Polyantha

or

Baby Rambler Roses

IT IS known in the trade that we grow all of the outstanding desirable perennials for forcing. Naturally producing plants for this purpose the Baby Rambler Roses became one of our leading items. In the past we have grown 35,000 roses for this purpose. Our plantings this year are increased to 75,000 annually. Every plant is sold for forcing purposes and the demand for the quality we produce is responsible for the increase in quantity that we are preparing for next season. We are very glad to book orders for the Baby Ramblers and make reservations for delivery in the fall. Shipments are made in season for potting.

All plants furnished are carefully graded and properly seasoned.

	Per 10	Per 100
EDITH CAVEL. Brilliant crimson.	4.00	30.00
ELLEN POULSEN. Bright rose-pink.	4.00	30.00
EUGENE JACQUET. Climbing crimson.	4.00	30.00
ERNA-TESCHENDORFF. Pleasing red	4.00	30.00
GURLEY. Bright red.	4.00	30.00
GOLDEN SALMON. Beautiful salmon-pink.	4.00	30.00
IDEAL. Brilliant crimson.	4.00	30.00
LA CARNO.	4.00	30.00
LAFAYETTE. Large semi-pink.	4.00	30.00
MME. LEVASSEUR. Deep pink.	4.00	30.00
MAGNA CHARTA. H. P. deep pink.	4.00	30.00
ORANGE KING. Clusters of orange flowers.	4.00	30.00
ORLEANS. Bright pink.	4.00	30.00
RED ORLEANS. Bright red.	4.00	30.00
REINE ELIZABETH. Red.	4.00	30.00
SUPERBA. Red.	4.00	30.00
TRIOMPHE DE ORLEANAIS.	4.00	30.00
VERDUN. Brilliant red.	4.00	30.00

NOTE: We suggest that you place your order now for Fall 1931 delivery so as to insure your receiving the varieties you want at the time you want them.

Shrubs

THESE shrubs are large and strong—suitable to set into any landscape job and make a worthy showing. You will get more than your money's worth from any item on this list.

*In giving sizes the larger numbers refer to inches; the smaller to feet.

		Per	Per	Per			Per	Per	Per
	*Size	10	100	1000		*Size	10	100	1000
1000 Berberis thunbergi	.....18-24	1.00	8.00	75.00	100 Rosa rugosa	..... 2 yr.	2.00	15.00	
500 Berberis thunbergi	.....12-18	.80	6.00		100 Sambucus aurea	..... 3-4	2.00	15.00	
800 Bechtel's crab	..... 3-4	3.50	30.00		275 Sambucus aurea	..... 2-3	2.00	12.00	
3200 Bechtel's crab	..... 2-3	3.00	25.00	200.00	175 Sambucus aurea	.....18-24	1.50	10.00	
2000 Clematis virginica	..... 2 yr.	1.50	10.00		1000 Spirea Anthony Waterer	...18-24	2.00	15.00	125.00
200 Cornus stolonifera	..... 2-3	1.00	8.00		1000 Spirea Anthony Waterer	...12-18	1.50	12.00	100.00
200 Cornus stolonifera	..... 3-4	1.50	10.00		300 Spirea billiardi	..... 3-4	1.50	10.00	
50 Cornus stolonifera	.....18-24	.85	6.00		600 Spirea douglasi	..... 3-4	2.00	14.00	
400 Deutzia lemoinei	..... 2-3	2.00	15.00		400 Spirea douglasi	.....18-24	1.00	7.00	
1000 Deutzia lemoinei	.....18-24	1.50	10.00	80.00	1300 Spirea douglasi	..... 2-3	1.50	10.00	80.00
275 Forsythia fortunei	..... 2-3	1.50	10.00		700 Spirea prunifolia	..... 2-3	2.00	14.00	
150 Forsythia fortunei	.....18-24	1.00	8.00		650 Spirea prunifolia	.....18-24	1.50	10.00	
1000 Ligustrum ibota	..... 2-3	1.50	8.00	70.00	4500 Spirea thunbergi	.....12-18	1.50	10.00	90.00
1000 Ligustrum ibota	.....18-24	1.00	6.00	50.00	1500 Spirea thunbergi	..... 3-4	2.50	20.00	150.00
1000 Ligustrum ibota	.....12-18	.85	5.00	45.00	750 Spirea thunbergi	..... 2-3	2.00	15.00	
200 Ligustrum lodense	.....10-12	1.50	10.00		600 Spirea thunbergi	.....18-24	1.50	12.00	
150 Lonicera Scarlet Trumpet	.. 2 yr.	2.00	15.00		2450 Spirea van houttei	..... 3-4	2.00	15.00	125.00
500 Prunus japonica rosea	..... 2-3	2.50	20.00		6800 Spirea van houttei	..... 2-3	1.50	10.00	90.00
800 Prunus japonica rosea	.....18-24	2.00	12.00		500 Spirea van houttei	.....18-24	1.00	8.00	
1000 Prunus othella	..... 4-5	4.00	30.00	250.00	400 Symphoricarpos mollis	..... 2-3	1.50	12.00	
1000 Prunus othella	..... 3-4	3.50	25.00	200.00	50 Symphoricarpos mollis	.....18-24	1.00	10.00	
1000 Prunus othella	..... 2-3	2.50	20.00	150.00	2400 Symphoricarpos racemosus	.. 2-3	1.00	10.00	80.00
1000 Prunus pissardi	..... 4-5	4.00	30.00	250.00	1000 Symphoricarpos racemosus	.. 3-4	1.50	12.00	100.00
600 Prunus pissardi	..... 3-4	3.50	25.00		100 Syringa vulgaris	..... 3-4	3.00	25.00	
150 Ribes aureum	..... 3-4	2.00	15.00		250 Syringa vulgaris	..... 2-3	2.50	20.00	
50 Ribes aureum	.....18-24	1.50	10.00						

25 at 100 rate; 250 at 1000 rate

Pot Plants

EARLY last fall, we propagated the following Perennials. These plants are grown from cuttings that we have rooted and at this time, they are fully pot bound and will make wonderful planting material for growing this summer. Really, they will make up very fast after transplanting and every plant offered herewith will give an abundance of flowers this season.

Please note these are pot plants and will readily transplant from early to late season. The prices shown herewith are very reasonable. We feel that they are real values. Therefore, we wish to give our customers the opportunity to purchase this class of stock at the reasonable prices given.

ANEMONE

	Per 10	Per 100		Per 10	Per 100
ALICE. Large flowers of rose pink; lilac center, excellent new variety. The best and strongest grower of all pink sorts. 2 in. pots.	\$1.00	\$6.00	ALWOODI JEAN. Pure white with deep violet crimson center. 1½ in. pots.	\$1.00	\$6.00
GENTE BLANCHE. Large double silvery white. 2 in. pots.	1.00	6.00	ALWOODI MARY. Light pink with maroon center. 1½ in. pots.	1.50	10.00
MAX VOGEL. Double rose pink; free flowering. 2 in. pots.	1.00	6.00	HER MAJESTY. Very large, purest white. 1½ in. pots.	1.00	6.00
RICHARD AHREND. Large single shell pink; flowers with lilac hue. The finest of all. 2 in. pots.	1.00	6.00	LAURA WILMORE. Lilac rose, 6 inches. 1½ in. pots.	1.00	6.00
RUBRA. Beautiful rosy red; stamens bright yellow. 2 in. pots.	1.00	6.00	GLADYS CRANFIELD. A lovely single pink, flowers bright rose with velvety crimson eye; very fragrant. 2 in. pots.	1.00	6.00
QUEEN CHARLOTTE. Abundant semi-double flowers. Broad and perfectly formed. 2 in. pots.	1.00	6.00			
LA FRANCE pink. 2 to 3 feet. 2 in. pots.	1.00	6.00			
HUPHENSIS. The plant grows from 12 to 14 inches high and from early in August until late in the Fall produces an abundance of flowers about 1½ inches in diameter, of a pleasing mauve rose. 2 in. pots.	1.00	6.00			
LOUISE WHINK. Early double white. 2 in. pots.	1.00	6.00			
WHIRLWIND. Excellent double white flowers. 2 in. pots.	1.00	6.00			
ROSEA SUPERBA. One of the strongest growing varieties. Plants heavily branched producing a heavy crop of double pink flowers. In a large planting it is always an outstanding variety. 2 in. pots.	1.00	6.00			
MOUNT ROSE. Fine free flowering double pink. 2 in. pots.	1.00	6.00			

ARABIS

ALPINA FL. PL. Double white rock-cress. Very fine rock plant. Blooms from April to June; 8 inches high. 2¼ in. pots.	1.50	10.00
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DIANTHUS

ABBOTTSFORD. Deep crimson, with white markings. One of the best. 1½ in. pots. ...	1.00	6.00
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HELIANTHEMUM

MUTABILE MIXED. Hybrid of rose, white, and yellow flowers. 1½ in. pots.	1.00	6.00
BUTTERCUP. Golden yellow. 2 in. pots.	1.00	7.00

DORONICUM

EXCELSUM. Has large yellow marguerite like flowers, 2½ to 3 inches across, in early spring. 1½ to 2 feet, May, June. Suitable for cutting. 2 in. pots.	1.50	10.00
RUBY. (Fireball). Bright scarlet, double. 2 in. pots.	1.00	7.00

SAXIFRAGA

HYPNOIDES. White trailing. 6 inches. 1½ in. pots.	1.50	10.00
DISCIPLINES. (Crimson Moss). Dwarf mossy plants, bearing white flowers in May and June. The green foliage turns to bronzy crimson in winter. Grows 4 inches high; splendid rock plant. 1½ in. pots.	1.50	10.00
RHEI SUPERBA. Rose 12 inches May-July. 1½ in. pots.	1.50	10.00

VIOLETS

MRS. DAVID LLOYD GEORGE. An improved Prince of Wales. 2¼ in. pots.	1.50	10.00
PRINCESS MARY. The new semi-double; fine. 2¼ in. pots.	3.00	25.00

Tuberous Rooted Begonias

IT has been and it is now the hardest problem to find nice flowering plants that will grow and flower in shady places. The Tuberous Rooted Begonias fill in all these spaces and will flower continuously without a letup throughout the entire summer. There is nothing in bedding plants that will equal their beauty.

Previous to the United States Embargo, Tuberous Rooted Begonias were in greatest favor for bedding purposes. Immediately after the Embargo, these plants passed out of the picture. Due to federal restrictions, they are now being grown in this country and are propagated successfully, selling at normal prices. They are also coming back into popularity very strongly.

They are now in favor for Decoration Day bedding purposes. The plants in three inch pots are commanding good prices. As a rule, there are always plenty of shady places where it is hard to grow good desirable plants that will give satisfactory crops of flowers throughout the summer. In all these places, the Tuberous Rooted Begonias will flower perfectly and they will be admired by everyone who will have the pleasure of seeing them.

They are beautiful in shady corners of the rock garden. They are always in full flower brightening up the shady corners where up until

now Vincas and some sort of plain ground cover was used.

For Decoration Day bedding purposes, the tubers can be planted in flats, in fairly rich soil kept moist, with bottom heat about 55 to 60 degrees. Use rich loamy soil; make sure that your soil does not contain acid. This does not mean that you should have your soil limed. As soon as they are large enough to handle, they should be immediately potted into 3 or 3½ inch pots and kept on the cool side thereafter, to prevent soft growth. We recommend plants transplanted from flats rather than planting the tubers immediately in pots. Our experience has been that they really need this transfer; you will receive many more flowers and much healthier plants after they are planted in their beds outside. Do not recommend to your customer planting in sunny locations; by all means, they should be planted in shady places.

We offer Tuberous Rooted Begonias as follows:

Single White
Single Rose
Single Yellow
Single Orange
Single Crimson
Single Scarlet

\$10.00 per 100

Double White
Double Pink
Double Yellow
Double Orange
Double Crimson
Double Scarlet

\$12.00 per 100

Dianthus Prince Bismark

THIS plant was located on one of the private estates in this section. On this estate, it was a very striking plant in the perennial plantings and we were fortunate in getting our start from these plants. At this time, we have about 5000 nice two inch pot plants to offer for Spring sales.

Growing to a height of twelve inches, flowers are in clusters of bright rosy pink, flowering throughout the entire summer, absolutely hardy. Flowers are beautiful when cut, sweet-scented, lasting well in water. By keeping the flowers cut, you will be repaid by endless crops of beautiful

flowers until late in the fall, when the frost will end their season of glory.

Due to the continuous flowering ability of the plant, we are sure that this is one of the best outstanding hardy plants offered. We wish to distribute the plant as well as possible in this country and therefore, we advise if you are not able to buy in large quantities, you should purchase at least twenty-five. As soon as you are acquainted, you will, no doubt, be interested in larger quantities next season.

We are pricing these at \$15.00 per 100, good established 2 inch pot plants; 25 at 100 rate.

Fritz Bahr . . .

Speaks on advantages of perennials for cut flower and resale purposes

IT is hardly to be expected that the average Florist can keep step in every detail with all that is new in Perennials. Nor can it be expected for him to carry properly labeled, a long list of varieties many of which are of but little value to him. He should to some extent at least, become a little better acquainted with this subject.

It is with this in mind that perchance a number of the Florists, not as yet having realized the importance of this class of stock, that I am writing the following.

Wherever Bedding stock is sold, there is or can be created a demand for Perennials, nor need the handling or pushing of hardy stock in any way interfere with the sale of greenhouse-grown plants such as are used for bedding out during May or June. In fact, by proper management and handling, orders taken for Perennials, can and should be delivered practically all through with, by the time the bedding season of tender greenhouse plants begins.

With the interest taken of late years in gardening, the reading of Garden Books, and magazines, and the attention to the hardy garden, with which, due to more extensive travel than ever known before, your customers come in contact. All this tends to make those possessing homegrounds want this class of plants.

The term hardy or perennial, appeals to your customer. She will keep on purchasing **Anemones, Improved Shasta Daisies, Campanulas, Delphiniums, Artemesias, Aquilegias, Hardy Asters, Hardy Carnations, Hardy Chrysanthemums, Hardy Sweet Williams, both German and Japanese Iris, Liatris, Regal Lilies, Pentstemon and Hardy Phlox**, and many others for cut flower purposes. More and more Perennials will be used as you go along. There is no doubt about it. There are still many thousands of Florists who would find it well worth their

while to become interested in them more than they are at present. In the conducting of a retail growers establishment the handling of perennials should become a more important and profitable branch of his business, especially furnishing his customers with suitable stock for planting out during Spring and Fall.

From a profit standpoint, while this has practically been answered in the above, it might be well for us to go a little further, calling attention to the fact that while every florist growing cut flowers should have a good assortment of perennials in the field, to help him overcome scarcity of flowers throughout the summer months. At a time when he is unable to purchase greenhouse flowers for use on an unexpected job, perennials will fill this vacancy and after using this class of flowers, you yourself will be surprised with the results that you will get from them.



Fritz Bahr

A stylized, handwritten signature of Fritz Bahr in dark ink. The signature is fluid and cursive, with the first letters of the first and last names being prominent and capitalized. Below the signature, the name "FRITZ BAHR" is printed in a simple, sans-serif, all-caps font.

FRITZ BAHR

Vigoro

MANUFACTURED fertilizers are now being used a great deal for the advancement of plant growth, either from a commercial standpoint or for better flowers in gardens. In the last eight or ten years we have used practically all of the fertilizers that were recommended and like many other growers we have found that we wasted a lot of hard earned money in paying our fertilizer bills without getting noticeable results.

Three years ago we bought a sample bag of Vigoro. We have dressed our Perennials which apparently were behind in growth. We have noticed quick results from the use of this fertilizer on all Perennials that are slow in making up. Since then we have

used large quantities in early Spring and from the first of September on.

Obtaining good results from this fertilizer ourselves, we have made arrangements with the Swift Co. to supply us exactly the same fertilizer which we ourselves use and wishing to pass our experience on to our customers, we are now able to supply same as follows:

50 lb	\$ 5.00 per 100 lb
100 lb	4.00 per 100 lb
500 lb	3.75 per 100 lb
1 Ton	70.00

Freight paid to your station. For complete information on "How to Apply Vigoro," we will be glad to mail you a booklet.

Aluminum Sulphate

IF for any reason it is desired to make a soil more acid, this result can be accomplished by the application of small quantities of *Aluminum Sulphate*. In case *Aluminum Sulphate* is applied do not use more than four to six pounds per 100 square feet at any one application.

It may be necessary to make several applications before the desired degree of acidity is obtained. The number of applications will be governed by the amount of alkaline material in the soil and should be ascertained by testing the soil for acidity after the *Aluminum Sulphate* has had ample time to react with lime and similar materials in the soil. Generally a true test of soil acidity cannot be obtained sooner than three weeks' after an application of *Aluminum Sulphate*.

Before using any material that will change the

condition of the soil as to acidity, these two things should be known. First, The present condition of the soil as to acidity. Second, The adaptation of the particular plant to be grown.

In Growing French or the new German Hydrangeas, the application of *Aluminum Sulphate* will help to create the desired blue flowers. Use this compound on blue varieties only. *Aluminum Sulphate* is an excellent material for use on Rhododendrons, Evergreens, Azaleas, and other broad leaved Evergreen plants. We have arranged for a supply of this material and we are in position to supply it as follows.

25 lb	\$1.15
50 lb	2.00
100 lb	3.75
200 lb	6.00

F. O. B. Painesville, Ohio.

Testing for Acidity

There are on the market a number of inexpensive soil testing outfits which are effective in determining the condition of the soil. They are simple, and easy to use.

We have the Soiltex, which gives you six different stages of Acidity. Information on "How to Use" is included with each container. We will supply large tubes, enough for several tests for \$1.00.

Trade Customs

All Orders Subject To Prior Sale

Important

Please advise, when ordering, if you wish goods shipped by express or freight; also give us the best route to insure quick delivery. Write us on business stationery that we may be assured you are in the trade and that you are entitled to wholesale prices. To insure receiving the full order from us your ordering early will greatly facilitate selection and reservation of stock and shipments may go forward on time.

Prices

The prices in this catalog are net, and are subject to change without notice. All stock is delivered F. O. B. Painesville, Ohio. We charge for packing at cost. This price list cancels all sales conditions and prices quoted in previous lists.

Terms

Cash or satisfactory trade references must accompany all orders from purchaser's unknown to us. To customers whose responsibility and credit standing is known to us, bills are due net 30 days from date of invoice. On 60-day accounts and older, 6 per cent interest will be charged. We allow 2 per cent discount if bill is paid by the 10th of the month following invoice.

Our Responsibility

While we exercise the greatest care possible to have our nursery products all genuine and reliable, we will replace, on proper proof, all that prove untrue. We do not give any warranty, expressed or implied, or guarantee them to live and grow or give specific results. In case of error on our part, it is understood that we shall at no time be held responsible for a greater amount than the original price of the goods.

Adjustment of Complaints

Complaints for adjustment must be mailed to us in writing immediately upon arrival of stock.

Inquiries

It is part of our service to you to answer your inquiries promptly. We solicit your correspondence. It will help us, however, if you will make your inquiry as brief and as clear as possible.

Shipping Facilities

Are unexcelled. Northern Ohio is centrally located; freight and express shipments to all parts of the country move rapidly. The American Express Company at Painesville gives us excellent co-operation in dispatching all shipments promptly. The main line of the New York Central and Nickel Plate railroads with a switch near our nurseries, and Cleveland terminals but 30 miles west of us, make it possible to move freight shipments quickly to any part of the United States.

Location

To find our nurseries, drive west from Painesville on Mentor Avenue (Route 20) to Forest Drive. Turn north to Jackson St. Turn west again (left) to large warehouse on the right.

Visit With Us

We extend one and all an invitation to visit us at any time of the year. "Our door is always open to welcome our visitors." Should you wish to come when certain perennials are in bloom, advise us and we will tell you when the blooms are at their best.

